



*Build Your Dreams*

# ***SONG Pro EV***

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## **Owner's Manual**



## Superb skills & honest hearts

**BYD**

**Superior and Sincere Services**

BYD sincere service brand was established in 2006, adhering to the service concept of “Superb Skills & Honest Hearts” from all BYD after-sales staff.

In the article “A Famous Doctor with Superbe Skills & Honest Hearts”, Sun Simiao, a famous doctor in Tang Dynasty, discussed two issues concerning medical ethics: the first is “Superb”, that is, a doctor should have superb medical skills and must learn medical knowledge extraordinary and diligently. The second is “Sincere”, that is, a doctor should have a noble moral, and a sincere heart to regard one`s distress as his. BYD after-sales staff have introduced the concept of “Superb Skills & Honest Hearts” from Sun Simiao into the automobile after-sales field and defined “Professional & Sincere” as BYD sincere service brand with the brand features as below:

- Professional & High-quality
- Diligent & Focus
- Passionate & Sincere
- Active & Care

BYD sincere service firmly believes that the exquisite service technologies come from professional, diligent, and sincere service attitudes, responsibilities and intentions. We are always committed to providing a high level of after-sales services for BYD Auto users and their cars.

## Foreword

Thank you very much for choosing the BYD passenger vehicle. Getting through this manual is essential to the correct use and maintenance of the BYD passenger vehicle.

Special instruction: BYD Auto Industry Co., Ltd. suggests that genuine spare parts be used for your vehicle and the vehicle be operated, maintained and serviced properly as per this manual. Replacing any parts of the vehicle with spare parts other than genuine spare parts or modifying it will affect the performances of the vehicle, especially its safety and durability. All damages and performance problems of the vehicle arising from this are not covered by the warranty. Furthermore, vehicle modifications may also violate national laws, regulations and local governmental regulations.

Thank you for choosing BYD passenger vehicle. We welcome your opinions and suggestions! In order to ensure better service, be sure to provide your accurate contact information and in case of any change, please contact BYD authorised service provider to update your contact information on our system. Please pay attention to relevant national laws and regulations and local policies, and register your vehicle as soon as possible; otherwise, there may be a risk that your vehicle cannot be registered.

All notices marked as "WARM TIP", "CAUTION", and "WARNING" in this manual must be followed carefully to avoid possible injuries or damages. Make sure to read any information presented in the format below:

### WARM TIP

For matters that must be followed to facilitate maintenance and others.

### CAUTION

For matters that must be followed to avoid damage to the vehicle.

### WARNING

For matters that must be followed to ensure personal safety.



The safety sign shown in the left figure indicates: "do not perform this" or "do not allow this to happen".

This manual is intended to help you use the product correctly and does not represent any description of the configurations and software version of the product. For information about the configurations and software version of the product, please refer to contracts (if any) related to the product or consult your vendor.

For enquiry on power battery recycling outlets, please visit BYD Auto's official website: <https://www.byd.com/cn/socialresponsibility/batteryrecycle.html>

For detailed product instructions, please follow the "Difenghui" or scan the following small program QR code with your Wechat.



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## Overview of BYD Song Pro EV Model

As a pure electric passenger car featuring new energy and new power, BYD Song Pro EV is an environment friendly product developed by BYD with great efforts. The power battery pack is organically integrated with the integral body to fully ensure the safety of the battery and the vehicle.

The whole vehicle is driven by pure electricity with very low noise both inside and outside to provide driving and riding comfort unrivalled by fuel powered vehicles.

The ternary batteries, which have been strictly tested for high temperature, high voltage and impact, provide an excellent safety performance.

In the process of vehicle design, the safety of high voltage system and traditional fuel vehicle is fully considered, so as to protect passengers during collision.

The battery management system, which always monitors the power batteries, can adjust the battery external output based on all monitored performance indicators such as voltage and current of each cell, so as to prevent overcharge, overdischarge, overtemperature and other problems, thus ensuring that batteries always operate normally.

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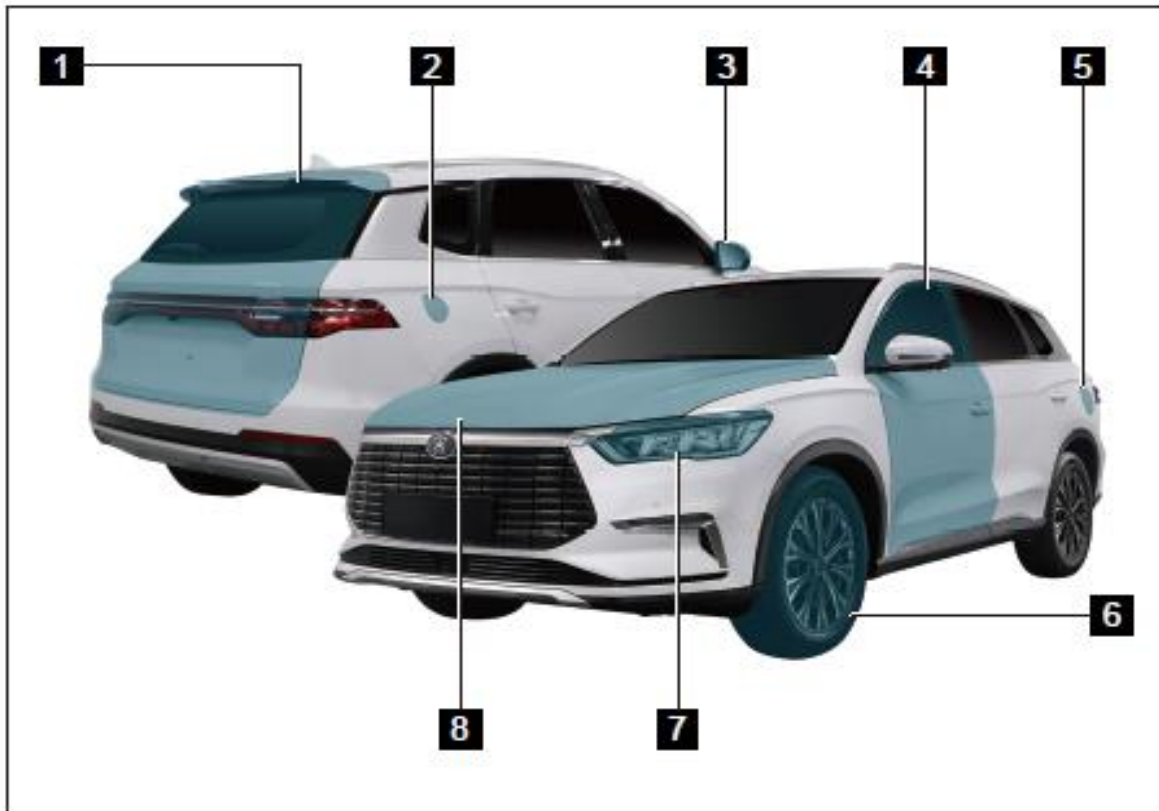
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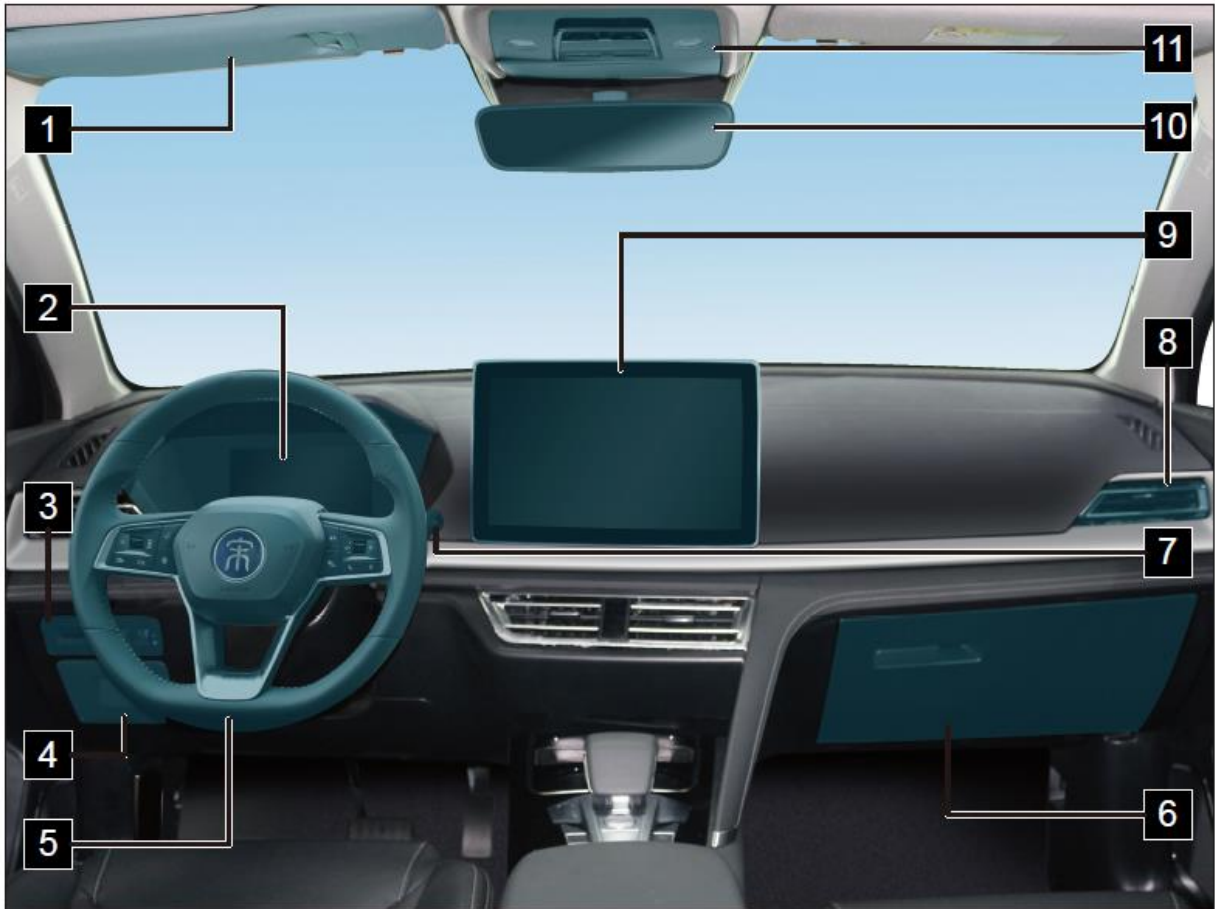
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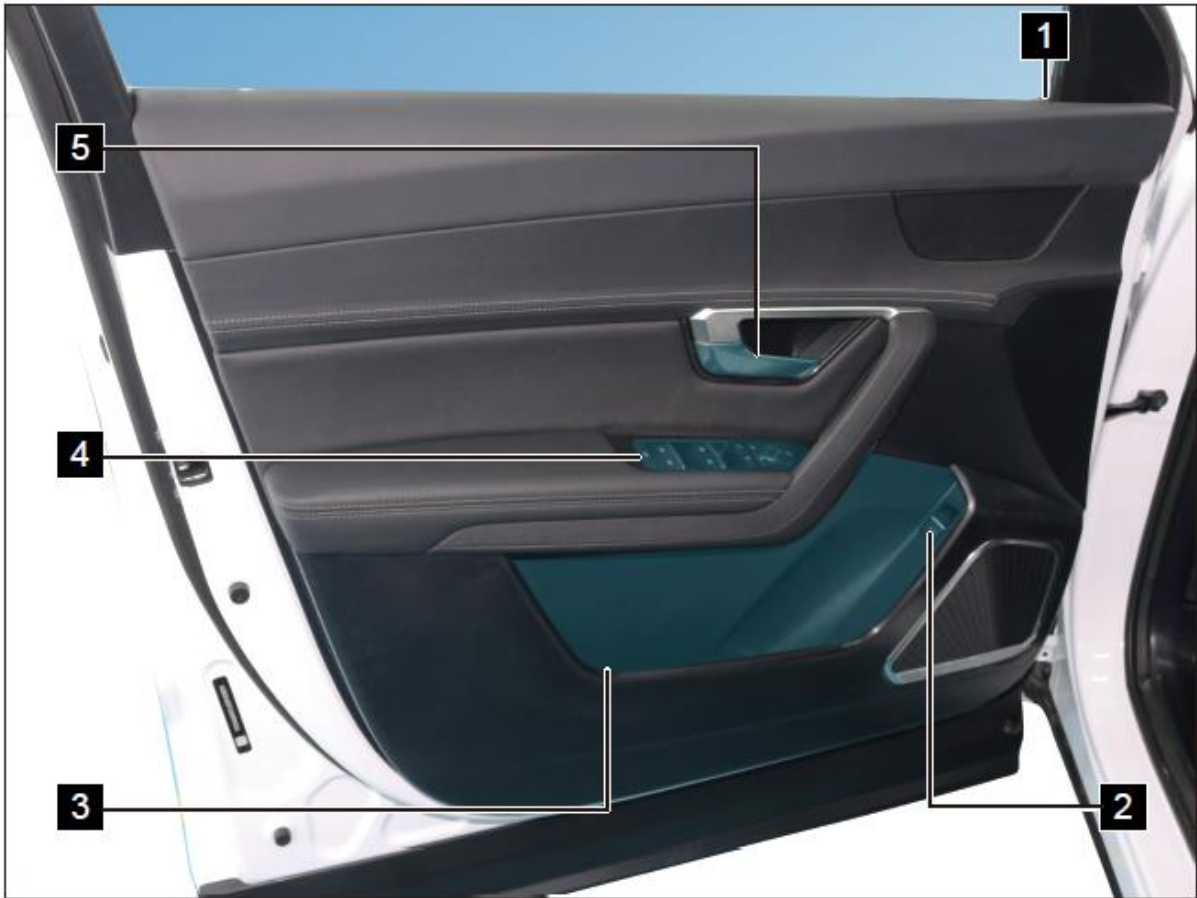
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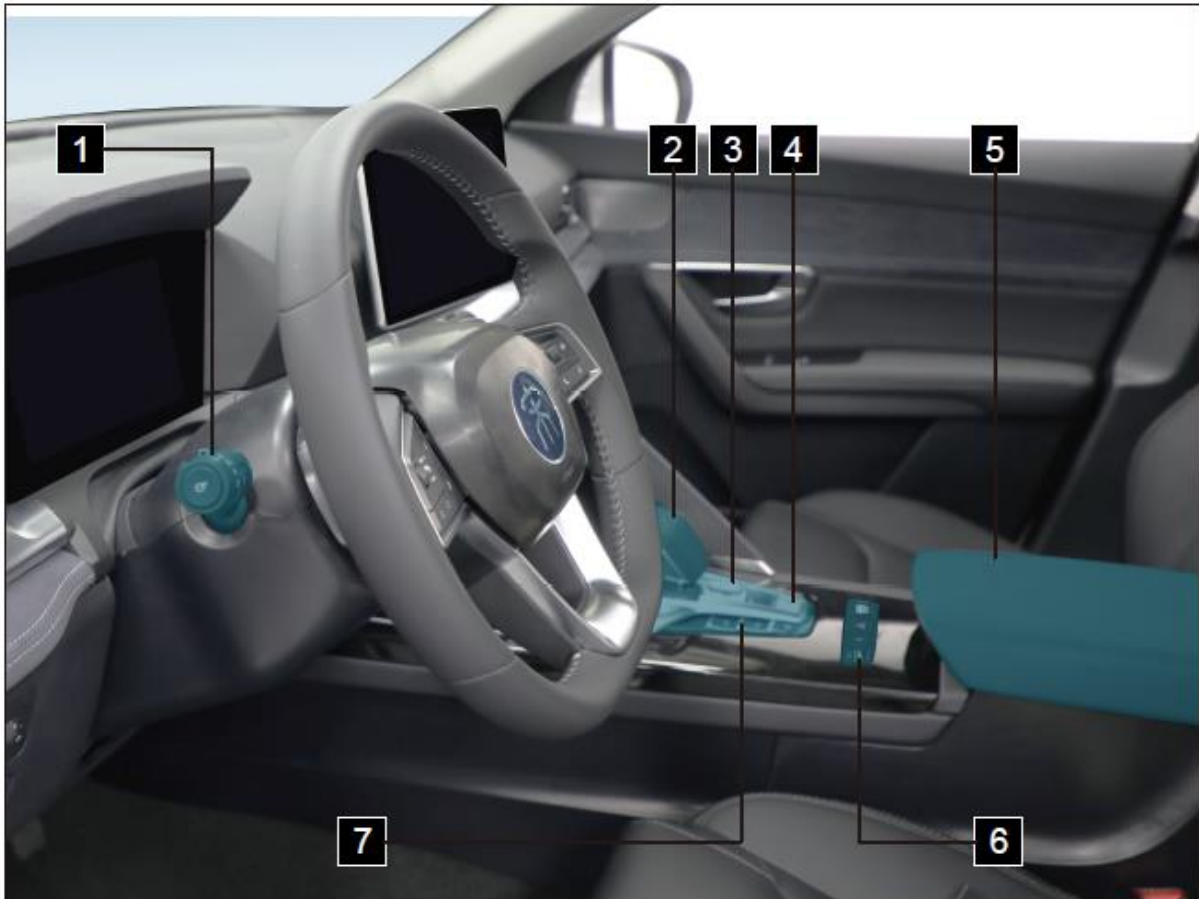
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# 1 Safety

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## 1-1 Seat Belt

### Introduction to Seat Belt

Studies indicate that proper use of seat belts can considerably reduce casualty of passengers in vehicles in emergency brake, abrupt turning and collision accident. Please read and strictly observe the following contents.

#### **⚠ CAUTION**

- When the vehicle is travelling, please always use the seat belt.
  - Before driving the vehicle, make sure that all passengers in the vehicle have properly fastened their seat belts. Otherwise, passengers in the vehicle are more liable to severe personal injury or even life threat in emergency brake or collision accident.
  - The seat belts in the vehicle are mainly designed based on the body size of adults and not suitable for children. Please select suitable child restraint system based on the age and body size of your child (refer to Child Restraint System in this section).
  - In case any seat belts are damaged or abnormal, contact a BYD authorised service provider for confirmation and handling immediately and do not use corresponding seats before such confirmation and handling.
- BYD highly stresses that the driver and passengers onboard should fasten seat belts at all times. Failure to do this will increase the possibility of injury or severe injury in accident.
  - It is suggested that a child be arranged on the rear seat and be sure to use a seat belt or suitable child restraint system. Otherwise, emergency braking or collision will cause severe injury or even life threat to such unprotected child. Likewise, do not allow any child to sit on another occupant's legs because the child cannot be well protected.

#### **Emergency locking retractor (ELR) function of seat belt**

- In case of sharp turn, emergency braking, collision or quick forward tilt of any passenger, the seat belt will automatically locks up to effectively restrain and protect the passenger.
- When the vehicle travels smoothly, the seat belt will be pulled out or retracted as the passenger moves slowly and stably to allow the passenger to move freely.
- If the seatbelt cannot be pulled out from the retractor, tighten and release the seatbelt to smoothly pull it out from the retractor.

### Pretensioning and force limitation functions of seat belt (if any):

If the vehicle suffers a severe frontal collision and the condition to trigger the pretensioner is met, the pretensioner retracts part of the seat belt rapidly and locks it up to enhance the protection for passengers. The force limiter limits the restraining force applied to passengers to a certain range, avoiding injury to passengers due to excessive restraining force.

### Sound and light alarm function of unfastened safety belt

If the driver or front passenger fails to fasten his/her seat belt after the vehicle is started, the audible and visual warning system begins to work until both the driver and front passenger have fastened their seat belts.

#### **WARM TIP**

- If the above-mentioned function becomes abnormal or fails, contact a BYD authorised service provider and do not use corresponding seats before the function returns to normal.

### Use of Seat Belt

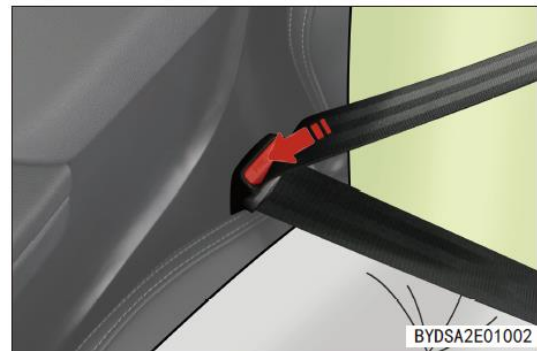
1. Adjust the seat to a proper position and adjust the backrest to a proper tilt (refer to the section about seat adjustment method).
2. Adjust the position of a three-point seat belt.
  - Pull the seatbelt out smoothly, so that it can across the shoulder near the seatbelt pulling-out position and the chest; the seatbelt should not cross under the arm or the back of the neck. Keep your waist belt as low as possible to your hip; do not buckle the belt at the waist.



**⚠ CAUTION**

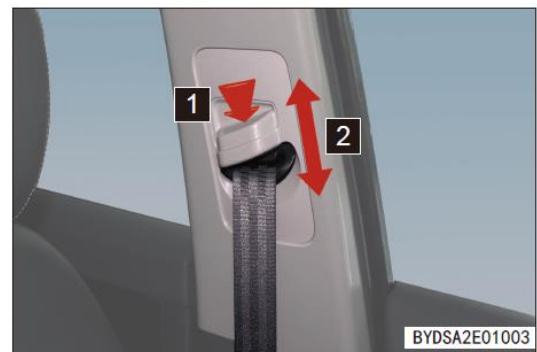
- The shoulder belt should cross the middle of the shoulder. The seatbelt should be away from the neck and cannot easily slip off from the shoulder; otherwise, the seatbelt will not perform its proper protection and even a serious injury may occur in case of an emergency braking or accident.
- The waist belt should be as low as possible to across the hip to avoid any injury when the abdomen is tightened by the seatbelt excessively.
- The seatbelt should be in close contact with the body for better protection.

3. Insert the seat belt tongue to the buckle until you hear the "click"; pull the tongue in the opposite direction to confirm it has been locked successfully. Take care not to twist the belt.



4. Adjust the seat belt height adjuster (front seats) to a proper position to obtain the maximum comfort and protection.

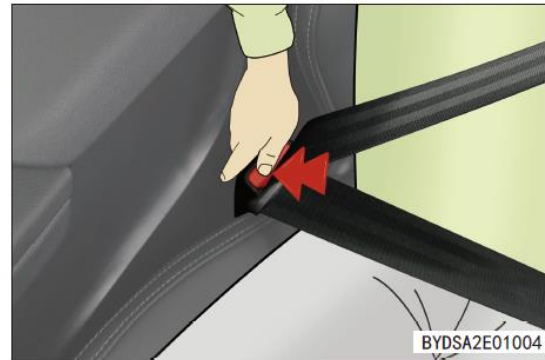
- 1** Press the seat belt height adjuster release button.
- 2** Hold the seat belt height adjuster and move it up/down to adjust the front seat belt to a proper height. Release the front seat belt height adjuster.



5. After adjustment, pull the shoulder belt with some force to check if the seat belt adjuster locks up.

## 6. Unfastening seat belt

- Press the red release button on the buckle; the tongue will be released and the seat belt strap will be retracted automatically. If any seat belt cannot smoothly retract automatically, pull it out and check for twist.



### **WARM TIP**

- The fasten method of the rear seat belt is the same as that of the front seat; It is the drivers responsibility to remind other passengers that they are fasten the seat belt.
- Before driving the vehicle, ensure that all passengers are fasten seat belts.

### **CAUTION**

- One seat belt is for one occupant only. Do not allow multiple occupants (including children) to share one seat belt.
- Avoid tilting the seat backrest too much. The seat belt provides the optimum protection when the seat backrest is held upright.
- Do not allow any seat belt or its buckle or tongue to be clamped by a door; otherwise, the seat belt may be damaged.
- Check the seat belts regularly for cuts, wear, looseness and other abnormal conditions. In case of abnormality, contact a BYD authorised service provider immediately for confirmation and handling; do not use corresponding seats before such confirmation and handling.
- Do not remove, disassemble or modify any seat belts arbitrarily.
- After an accident has occurred, contact a BYD authorised service provider for inspection of the seat belts. If the pretightening function of a seat belt is activated, be sure to replace the seat belt.
- If a severe accident has occurred, even though no obvious damage appears, replace the seat belt together with the seat assembly and conduct a thorough inspection of the supplemental restraint system.
- A pregnant woman should also fasten seat belt correctly as other passengers. Note especially that lap belt should be positioned across the hip as low as possible to prevent tightening seat belt from causing severe damage to the pregnant woman and her fetus in case of an accident.
- Do not insert coins, paper clips or any other foreign objects in the buckle to avoid effect on the correct connection between the latch and the buckle.

## 1-2 Air Bags

### Introduction to Supplemental Restraint System

- The supplemental restraint system (SRS) is supplemental to the seat belts. In case of a severe collision accident with the system triggering condition met, the SRS will deploy rapidly and together with the seat belts, provide additional protection for the heads and chests of the driver and passengers to reduce the probability of casualties.
- By the type of collision, the SRS is generally classified into front air bags and side air bags. The front air bags include a driver air bag, a front passenger air bag. The side air bags include front seat side air bags and curtain air bags.

#### **WARM TIP**

- Please keep the correct sitting posture to allow the seat belt and SRS to exert the maximum protection function.
- Do not install or remove any air bag parts privately.
- Do not use seat covers other than our genuine products; otherwise, the air bag performance may be affected or accidental injury may be caused to occupants. Do not place any objects between side air bags and occupants.
- Do not apply excessive force to the side of any seat equipped with a side air bag.
- After a collision occurs, though the air bag module does not deploy and the pre-tensioned seat belt does not lock up, to protect passengers from high-pressure hazards, the air bag computer may be encrypted. In this case, contact a BYD authorised service provider for testing.

## Driver and Front Passenger Air Bags

If the vehicle selected is equipped with a driver air bag and a front passenger air bag, when the SRS ECU in the vehicle that is travelling senses a medium to severe frontal collision and the SRS triggering conditions are met, the air bags will deploy to reduce the degree of injury.



## Front Seat Side Air Bags

If the vehicle you selected is equipped with left and right front seat side curtain air bags (as shown in the figure; the air bags are positioned outside the backrest of each front seat and both are marked with "AIRBAG"):



- When the vehicle suffers a medium to severe lateral collision when travelling and the SRS triggering conditions are met, the air bags will deploy to assist in protecting the chest of the driver/passenger on the side suffering the collision to reduce the degree of injury.
- In case of lateral collision, only the air bag on the side suffering the collision will deploy in general.
- If a collision occurs on the passenger's side, if no passenger sits on the seat, the front passenger seat side air bag will also deploy.
- To obtain the optimum protection from the side air bag, the passenger must fasten the seat belt and sit upright and against the backrest.

### On Vehicle Equipped with Seat Side Air Bags

1. Do not allow the seat backrest to be wet by water. If it is wet by rain or sprayed water, the normal operation of the side air bag system may be affected.
2. Do not cover or replace the seat backrest cover privately. Inappropriate seat backrest cover substitute or covering can affect the deployment of the seat side air bag during a collision.

### Side Curtain Air Bags (If Any)

- If the vehicle you select is equipped with left and right side curtain air bags (as shown in the figure above; the air bags are positioned in the areas where the side walls and roof are connected and the A-pillar, B-pillar and C-pillar shields are marked with "CURTAIN AIRBAG"), when the vehicle suffers a medium to severe lateral collision during travelling and the curtain air bag triggering conditions are met, the curtain air bag will deploy to assist in protecting the head of the driver/passengers on the side suffering the collision to reduce the degree of injury.



- In case of lateral collision, only the air bag on the side suffering the collision will deploy in general.
- To obtain the optimum protection from the side curtain air bag, the passenger must fasten the seat belt and sit upright and against the backrest.

### SRS Triggering Condition and Precautions

#### SRS Triggering Conditions

- SRS triggering conditions: Triggering of the SRS depends on some decisive factors relevant to the collision intensity, type of accident, collision angle, obstacle and vehicle speed when a collision accident occurs. When a special collision accident occurs, the SRS may be triggered.

- The SRS may not function in any accident. It will not be triggered generally in case of slight frontal collision, rear-end collision or overturn. In this case, the driver and passengers can be protected normally by properly wearing seat belts.
- Decisive factors for triggering SRS: A comprehensive comparison and judgment will be made between the set value and a deceleration curve produced in a collision and obtained by the ECU. If the deceleration curve or any other signal produced and detected in collision is lower than relevant reference value preset in the ECU, the SRS will not be triggered even if the vehicle may have been severely deformed in the accident.
- BYD Auto has fully considered the common misuse and road conditions in the country in setting the SRS ECU. However, as the reasons and forms of collision accidents vary, for the sake of your safety, please strictly observe this manual, correctly operate the vehicle and avoid misuse; otherwise, the expected effect of the SRS cannot be guaranteed.

### Conditions where SRS may be triggered

The vehicle front end hits the ground after passing over a deep pit.



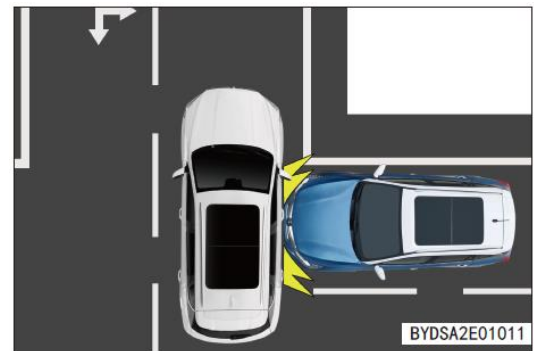
The vehicle hits a kerb projection, kerbstone or any others.



The vehicle front end hits the ground when the vehicle goes downhill.



The vehicle suffers lateral collision by another vehicle.

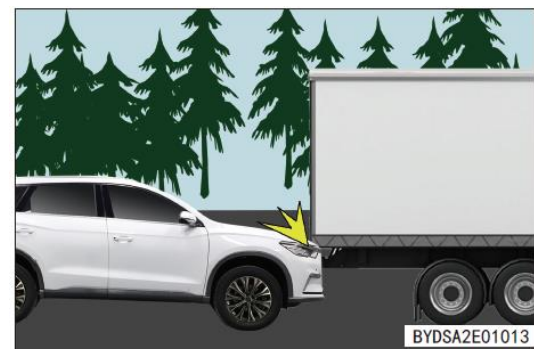


### Conditions in which air bags may not deploy

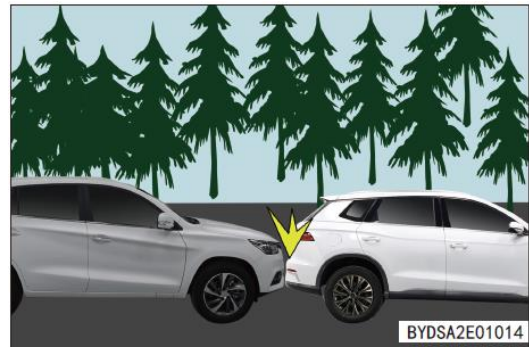
The vehicle hits a concrete column, wood or any other long and slender object.



The vehicle hits the lower part of a truck.



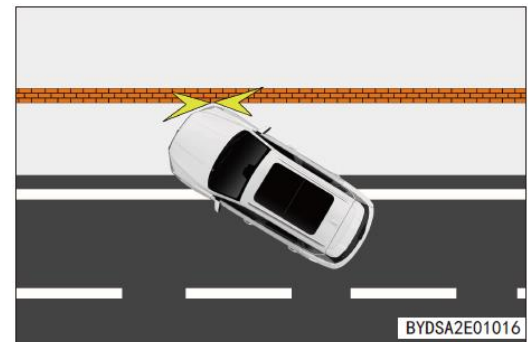
The vehicle suffers rear-end collision by another vehicle.



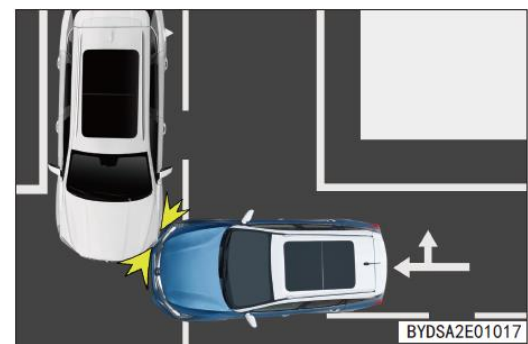
The vehicle overturns.



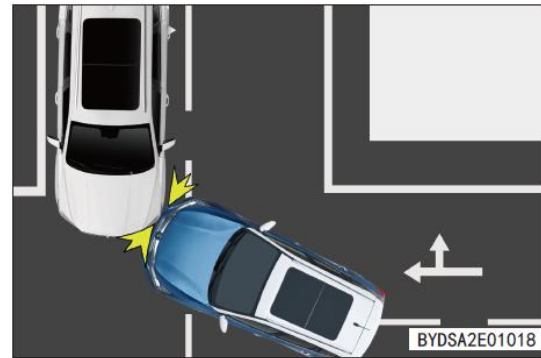
The vehicle hits a wall or another vehicle on a part other than the front part.



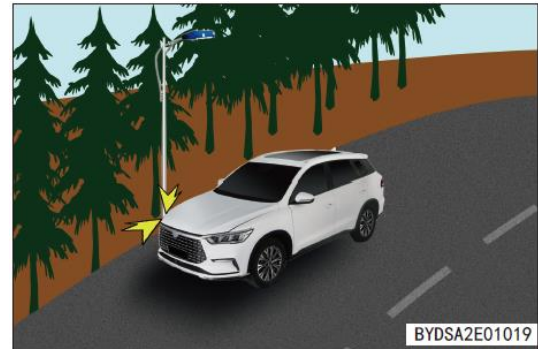
A part other than the passenger compartment of the vehicle suffers a lateral collision.



A side of the vehicle suffers an oblique collision.



The vehicle hits a post on the side.



## **⚠ WARNING**

- The SRS is developed to match the specific vehicle model. Any modification of the suspension, tyre size, bumper, chassis or equipment installed by the manufacturer will adversely affect the SRS. Do not fit any component of the SRS to any other vehicle; otherwise, the SRS may fail, causing personal injury.
- The driver should keep his/her chest at least 25 cm from the steering wheel to obtain effective protection when the SRS is triggered.
- When the vehicle is travelling, please fasten the seat belt and keep the correct sitting posture. If you fail to fasten the seat belt or keep the correct sitting posture or if you tilt forward during driving, the deployment of the air bag will aggravate the risk of injury when an accident occurs.
- Do not affix any object to, cover with any object or make any other decorative treatment of the steering wheel trim cover surface, surface near the air bag on the right of the dashboard, A-, B- and C-pillar shield surfaces, and surfaces of accessories at the seat side air bags. Clean the surfaces with dry or slightly damp rag only. Do not strike the surfaces with force.
- Do not allow any juvenile to sit on the front seat without protection or be held in the arms of an adult sitting on the front seat. If the SRS is triggered in an accident, severe injury or even life threat may be caused.

**⚠ WARNING (CONTINUED)**


- Do not install any accessories such as telephone support, cup or ashtray on an air bag trim cover or within the functioning range of an air bag; otherwise, the deployment of the air bag will aggravate the risk of injury when an accident occurs.
- The side air bags and curtain air bags deploy rapidly with considerable impact. Therefore, do not allow any person to lean against any door when a vehicle with such air bags is travelling. Otherwise, severe injury or even life threat may be caused.
- Do not place any other trims or objects to any equipment within the action range of the side curtain air bags such as the windscreen, side door glass, A-pillar shield, roof, B-pillar shield, C-pillar shield and auxiliary handrail. Such trims or objects will be flung under the strong force of the side curtain air bags in deployment or prevent the side curtain air bags from deploying normally, resulting in severe injury or even life threat.
- Be sure to replace the SRS within 10 years since the day of its manufacture. Contact a BYD authorised service provider for its replacement. If you replace any components of the SRS before the day due for replacement, please keep all SRS replacement records. When transferring the vehicle, please hand over to a new owner all documents delivered with the vehicle.
- Do not modify or replace seats or trims of seats with side air bags. These actions will prevent the side air bags from deploying normally, cause the system to fail or side air bags to deploy accidentally, resulting in severe injury or even life threat.
- Do not disassemble or repair the A-pillar shield, roof, B-pillar shield, C-pillar shield equipped with curtain air bags. These actions will cause the system to fail or curtain air bags to deploy accidentally, resulting in severe injury or even life threat.
- Do not modify any components of the SRS, including corresponding labels. Have any operation on the SRS carried out by a BYD authorised service provider.
- The SRS can only provide accident protection for one time. Once the SRS is triggered or damaged, be sure to replace the system.
- When scrapping any component of the vehicle or its SRS, please observe relevant safety regulations and scrapping procedure.
- The SRS has a strong resistance to electromagnetic interference and disturbance around. However, to avoid unexpected conditions, please do not operate the vehicle in an environment with electromagnetism intensity beyond the limit required by the country.

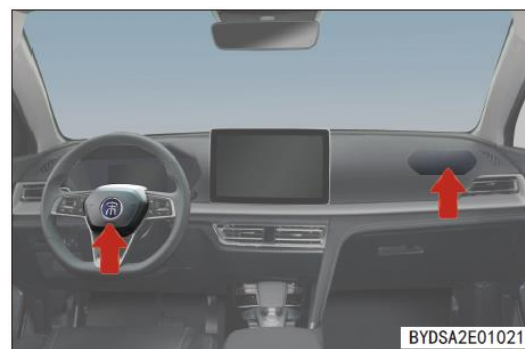
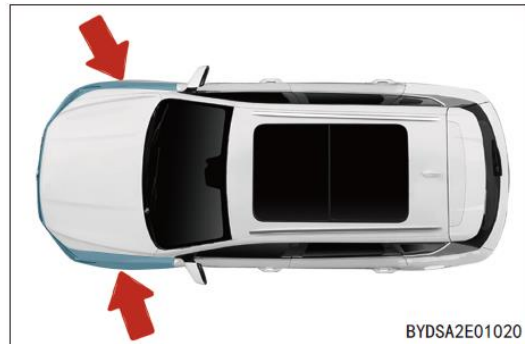
**⚠ WARNING (CONTINUED)**

- The SRS of the vehicle is designed with full consideration of the common misuse and road conditions in the country. However, to avoid unexpected conditions, please do not allow the bottom of the vehicle to suffer impact or drive the vehicle violently in a severe road condition.
- The SRS of the vehicle has been fully verified and the original wiring harness system matches the SRS perfectly. Any modification or change to the vehicle wiring harness may cause the SRS to be triggered in normal conditions or fail to be triggered when the triggering conditions are met.

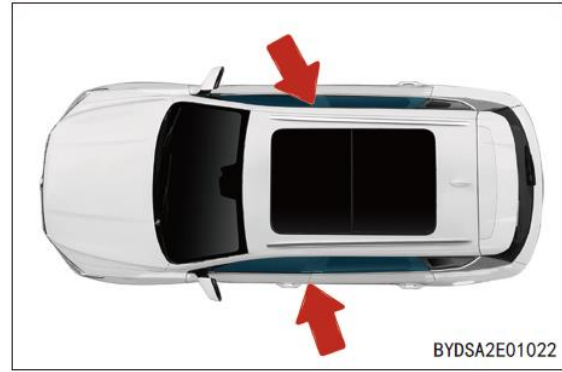
**Maintenance of SRS**

**In the following conditions, contact a BYD authorised service provider immediately.**

- Air bags have deployed.
- The SRS warning light  on the combination instrument illuminates abnormally.
- When the front part of the vehicle (the part in shadow in the figure) suffers collision, the force is not sufficient to cause the air bags to deploy.
- The air bag cover is broken, split or otherwise damaged.
- The air bags need to be removed, disassembled, installed or repaired.



- The side air bags and curtain air bags have deployed.
- When the doors (the part in shadow in the figure) of the vehicle suffer an accident, the force is not sufficient to cause the air bags to deploy.
- The surface of a seat provided with a side air bag (the part in shadow in the figure) is scratched, split or otherwise damaged similarly.
- The decorative (liner) part (the part in shadow in the figure) of the A-pillar, roof longerons or C-pillar provided with internal curtain air bag is scratched, split or otherwise damaged similarly.



## 1-3 Child Restraint System

### Child Restraint System

**Choose a set of child restraint system suitable to your child's age and body size.**

Please choose a set of child restraint system suitable to your child. If your child's body size is too large to use a child restraint system, seat your child on a middle seat and wear a seat belt.

#### **When a child restraint system is not used**

Please correctly fix the child restraint system to a seat. Do not place the child restraint system on a passenger seat or in the trunk arbitrarily.

#### **⚠ CAUTION**

- Be sure to restrain and protect your child with a seat belt or child restraint system based on his/her age and body size to effectively protect him/her in an accident or emergency stop. Holding a child in arms cannot substitute for a child restraint system. In an accident, a child may bump against the windscreen or get squeezed between you and the compartment.
- Please install a child restraint system correctly as per the installation manual provided by its manufacturer. Otherwise, severe injury or even life threat may be caused to a child in case of emergency stop or accident.

#### **📌 WARM TIP**

- BYD Auto highly suggests that you use a child restraint system. Studies reveal that a child restraint system installed in the rear seat is safer than in the front seat.

## Installation of Child Restraint System

Please attach the child restraint system to the rear outboard seat as per the installation manual provided by the child restraint system manufacturer.

Fix the top tether when installing the child restraint system.

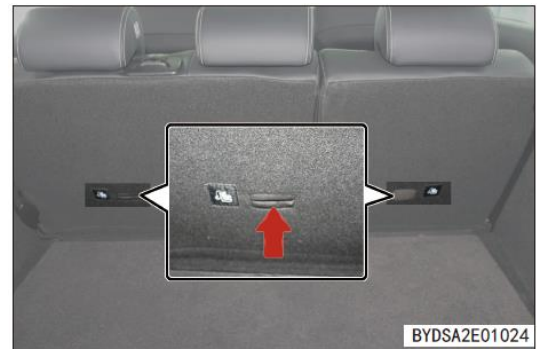
### Installing child restraint system with ISOFIX rigid anchor

The rear outboard seats are equipped with special anchorage levers. (A label indicating the anchorage position is affixed on the seat.)



#### Anchor base (for top tether)

The rear seats are equipped with anchorage lever behind backrests.



- Child safety seat
1. Check the position of the special anchorage lever and install the child restraint system on the vehicle's seat.



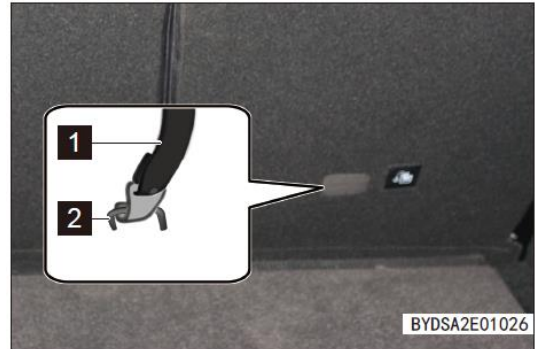
**WARM TIP**

- The anchorage lever is installed in the gap between seat cushion and seat backrest.

2. Lift the headrest, attach the clip to the anchorage lever behind seat backrests and tighten the top tether. Make sure that the top tether is attached securely.

**1** Top tether

**2** Anchorage lever



3. Reinstall the headrest.

- If the driver's seat obstructs the correct installation of the child restraint system, install it on the rear right seat.



- Do not use a rearward facing child restraint system on a seat protected by front air bag (activated). Otherwise, when an accident occurs, the impact force applied when the front passenger air bag deploys rapidly will cause severe injury or even life threat to a child there.



**⚠ WARNING**

- Push the child safety seat to different directions and make sure it has been securely installed.
- When using a lower anchor, make sure that no foreign objects are around the anchor, the seat belt is not stuck behind the child safety seat and the child restraint system is fixed securely. Otherwise, severe injury or even life threat may be caused to a child there in case of emergency stop or accident.
- Do not install a child safety seat in the front seat.

**Information on suitability of different seats for child restraint system**

Mass Group	Seat (or Other Positions)		
	Front Passenger	Middle Outboard Seats	Middle Center Seat
Group 0 (Less than 10 kg)	X	U	X
Group 0+ (Less than 13kg)	X	U	X
Group I (9~18kg)	X	U/UF	X
Group II (15~25kg)	X	UF	X
Group III (22~36kg)	X	UF	X

Note: The letters in the table are defined as follows:

U = The seat is suitable for universal child restraint systems certified under this mass group.

UF = The seat is suitable for universal forward facing child restraint systems certified under this mass group.

X = The seat is not suitable for child restraint systems under this mass group.

**Information on suitability of different ISOFIX positions for ISOFIX child restraint system**

Mass Group	Size	Fixture	Seat (or Other Positions)		
			Front Passenger	Middle Outboard Seats	Middle Center Seat
Carry-cot	F	ISO/L1	X	X	X
	G	ISO/L2	X	X	X
Group 0 (Less than 10 kg)	E	ISO/R1	X	X	X
Group 0+ (Less than 13kg)	E	ISO/R1	X	X	X
	D	ISO/R2	X	X	X
	C	ISO/R3	X	X	X
Group I (9~18kg)	D	ISO/R2	X	X	X
	C	ISO/R3	X	X	X
	B	ISO/F2	X	IUF	X
	B1	ISO/F2X	X	IUF	X
	A	ISO/F3	X	IUF	X

Note 1: For child restraint systems not following the ISO/XX size class identification (A-G), for each applicable mass group, vehicle manufacturers shall indicate the vehicle-specific ISOFIX child restraint system recommended for each seat.

Note 2: The letters in the table are defined as follows:

IUF = The seat is suitable for universal ISOFIX forward facing child restraint systems certified under this mass group.

X = The ISOFIX position is not suitable for ISOFIX child restraint systems under this mass group and/or size class.

## 1-4 Anti-theft System

### Anti-theft System

If any door is opened when the vehicle is in the anti-theft mode, the system will produce audible alarm and the turn signals will flash to prevent theft of the vehicle.



#### Setting anti-theft system

1. Power off the vehicle.
2. Ask all passengers to get off the vehicle.
3. Lock all the doors. When all the doors are locked, the anti-theft indicator remains on and the anti-theft system will be set automatically 10s later. Once the system finishes setting, the anti-theft indicator will start to flash.
4. Ensure that the indicator flashes and then you may leave the vehicle. No one should stay in the vehicle when anti-theft system is automatically setting because unlocking the door from inside the vehicle will trigger the system.

#### Triggering alarm

- The alarm will be triggered if:
  - Any door, trunk lid or front hood is unlocked without using the PEPS function of the intelligent key.
  - The vehicle is powered up without using the PEPS function of the intelligent key.

#### Disarming alarm

- The alarm can be disarmed by the following methods:
  - Unlock doors with the valid intelligent key.
  - Unlock doors with the microswitch.
  - Unlock the trunk lid remotely with the valid intelligent key.
  - Start the vehicle remotely with the valid intelligent key.
  - Press the START/STOP button with the intelligent key carried in the vehicle.

## **⚠ WARNING**

- Do not modify the anti-theft system by means of alteration or addition because such modification may cause a failure to the system.

## **Anti-theft indicator**

- In the anti-theft setting mode, the anti-theft indicator will illuminate for 10s.



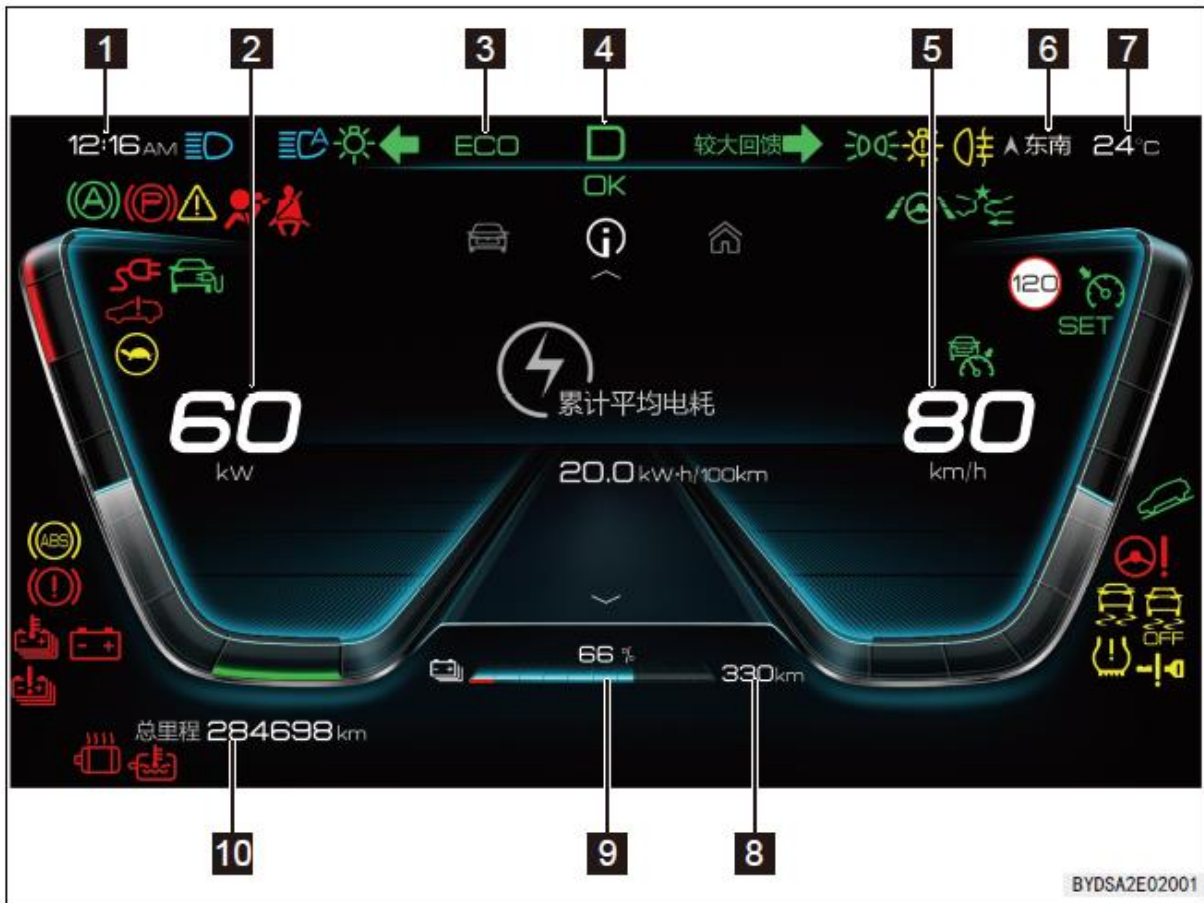


**2 Instrument Set**

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2-1 Combination Instrument

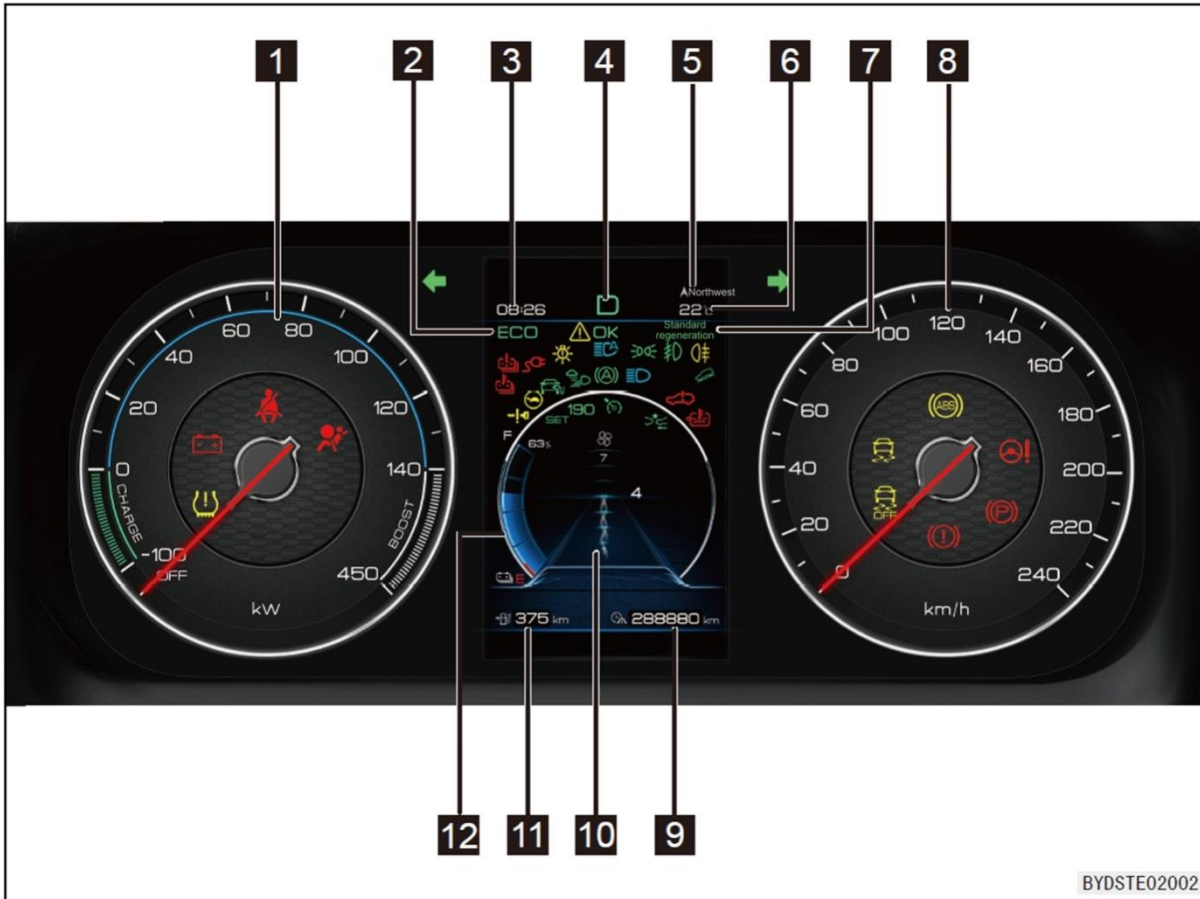
View of Combination Instrument



- |                       |                              |
|-----------------------|------------------------------|
| <b>1</b> Time         | <b>6</b> Orientation         |
| <b>2</b> Power meter  | <b>7</b> Outside temperature |
| <b>3</b> Working mode | <b>8</b> Driving range       |
| <b>4</b> Gear         | <b>9</b> SOC indicator       |
| <b>5</b> Speedometer  | <b>10</b> Odometer           |

BYDSA2E02001

LCD combination instrument (5") (if any)























BYDSTE02002

- |                              |  |
|------------------------------|--|
| <b>1</b> Power meter         | <b>7</b> Regeneration strength           |
| <b>2</b> Working mode        | <b>8</b> Speedometer                     |
| <b>3</b> Time                | <b>9</b> Odometer                        |
| <b>4</b> Gear                | <b>10</b> Vehicle travelling information |
| <b>5</b> Orientation         | <b>11</b> Driving range                  |
| <b>6</b> Outside temperature | <b>12</b> SOC indicator                  |

## Instrument Indicators

### Indicators/Warning Lights

 Turn signal indicator	 Clearance light indicator
 Light master switch indicator	 All-weather light indicator
 Discharging indicator	 TJA working state indicator
 Hill descent control indicator	 Automatic emergency braking indicator (if any)
 Automatic vehicle hold indicator	 OK indicator
 ECO indicator	 Main cruise control indicator
 SPORT indicator	 Adaptive Cruise Indicator
 Cruise control indicator	 Intelligent high/low beam indicator
 High beam indicator	 ACC fault indicator
 Rear fog light indicator	 Headlight fault warning light

 ESP fault warning light	 ESP OFF warning light
 Tyre pressure warning light	 Intelligent key system warning light
 Main warning indicator	 Limited drive power indicator
 ABS fault indicator	 Automatic emergency braking fault warning light (if any)
 Unfastened seat belt indicator	 EPB indicator
 Charging connection indicator	 SRS fault warning light
 Parking system fault warning light	 Powertrain fault warning light
 Power battery fault warning light	 Power battery over temperature warning light
 Motor over temperature warning light	 Low voltage power supply system warning light
 Steering system fault warning light	 Motor coolant over temperature warning light
 Traffic sign indicator	

## Instructions to Fault/Prompt Indicator of Combination Instrument



### Intelligent key system warning light

- After the START/STOP button is pressed, If the key is not in the car, this warning light will illuminate and stay on for a few seconds, with one sound from the speaker, and the screen will display "Key is not detected, Please confirm whether the key is in the car ".
- If you press the START/STOP button with key detected, this warning light will not illuminate and the vehicle can be powered up and started.
- If you take the key into the vehicle within a few seconds after illumination of this warning light, the warning light will go out.
- If the warning light flashes after you press the START/STOP button, it indicates that the key battery is low.



### ABS fault warning light

- With the power in the OK mode, this warning light will illuminate. If the ABS works normally, this warning light will go out a few seconds later. This warning light will illuminate again if there is a failure in this system and will stay on until the fault is eliminated.
- When the ABS warning light illuminates (with the parking system fault warning light off), the ABS does not work, but the brake system still works normally.
- When the ABS warning light illuminates (with the parking system fault warning go out), as the ABS does not work, the wheels will be locked up in emergency brake or braking on wet and slippery roads.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD authorised service provider for inspection as soon as possible.
  - With the power in the OK mode, this warning light does not illuminate or stays on.
  - This warning light turns on during driving.
  - Brief illumination of this warning light in operation is not a sign of any problems.

### WARM TIP

- Brief illumination of this warning light in operation is not a sign of any problems.
- If the parking system fault warning light remains on when the ABS warning light illuminates, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider. Braking the vehicle in such a situation can cause the ABS to malfunction, and the vehicle would become extremely unstable.

- If the ABS warning light and the brake system warning light illuminate at the same time and the EPB has been released completely, it indicates that the braking force distribution system for the front and rear wheels has also failed.

### Tyre pressure warning light

- With the power in the OK mode, this warning light will illuminate. If the tyre pressure monitoring system works normally, this warning light will go out a few seconds later. This warning light will illuminate again if there is a fault in this system .
- When the tyre pressure monitoring system fault warning light illuminates or flashes and meanwhile "Check TPMS" is displayed on the instrument display screen and "---" is displayed in the value position on the tyre pressure display interface, it indicates a fault in the tyre pressure monitoring system.
- When the tyre pressure monitoring system fault warning light flashes fast and one or more value positions on the tyre pressure display interface of the instrument display screen turns red, it indicates that corresponding tyre or tyres are leaking rapidly.
- When the tyre pressure monitoring system fault warning light stays on and one or more value positions on the tyre pressure display interface of the instrument display screen turns yellow, it indicates that corresponding tyre or tyres have insufficient air pressure.

If any of the above mentioned situations occurs, contact a BYD authorised service provider for inspection as soon as possible.

### ESP fault warning light

- With the power in the OK mode, this warning light will illuminate. If the ESP system works normally, this warning light will go out a few seconds later. This warning light will illuminate again if there is a fault in this system and will stay on until the fault is eliminated.
- If the ESP fault warning light flashes while the vehicle is travelling, it indicates that the ESP is working.
- When the ESP fault warning light illuminates (ABS fault warning light and parking system fault warning light go out), the ESP fails, but the ABS and brake system still work normally.
- When the ESP fault warning light illuminates (ABS fault warning light and parking system fault warning light go out), as the vehicle stability control system fails, the vehicle would be extremely unstable when taking a sharp turn or circumventing an obstacle ahead abruptly.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD authorised service provider for inspection as soon as possible:
  - With the power in the OK mode, this warning light does not illuminate or stays on after being powered up.
  - This warning light stays on during driving.
  - Flashing of this warning light during traveling indicates that the system is working.

**WARM TIP**

- Brief illumination of this warning light in operation is not a sign of any problems.
- If the ESP fault warning light still illuminates when the ABS fault warning light and the brake system fault warning light illuminate, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider. Braking the vehicle in such a situation can cause the vehicle to become extremely unstable and the ABS to malfunction completely.

**ESP OFF warning light**

When the "ESP OFF" button is pressed, the light should illuminate and stay on and the ESP system would not work. When the "ESP OFF" button is pressed again, the light should go out and the ESP function returns to normal.

**WARM TIP**

- If the ESP OFF warning light illuminates, driver must raise his/her vigilance and keep the vehicle at a relatively low speed when driving at a sharp turn and making a sudden turn to avoid obstacle. Braking the vehicle in such a situation can cause the ESP system to malfunction, and the vehicle would become unstable.

**Main warning indicator**

Illumination of this indicator indicates that you should pay attention to a fault prompt message on the information display area.

**Headlight fault warning light**

When this warning light illuminates, send the vehicle to a BYD authorised service provider for inspection.

**Limited drive power indicator**

When the power battery SOC is low and the motor power is limited. In this case, contact a BYD authorised service provider.

**Parking system fault warning light**

- This warning light illuminates when the brake fluid level is low.
- If any of the following situations occurs, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider.
  - This warning light illuminates when the brake fluid level is low with the power in the OK mode.

**WARM TIP**

- Do not continue driving when the brake fluid level is low because it is very dangerous to do so.

- After the vehicle is started, if the brake fluid level is normal and the EPB system is working normally (the EPB switch can be pulled up and released normally without the message "Check EPB system"), this warning light stays on.
- Parking system fault warning light and ABS, fault warning light illuminate simultaneously.

**WARM TIP**

- Brief illumination of this warning light in operation is not a sign of any problems.

**Unfastened seat belt indicator**

With the power in the OK mode, if any seat belt is not fastened, the safety belt unfastened indicator light is on. The indicator light will continue to illuminate until the seat belt is fastened.

**Low voltage power supply system warning light**

- During charging, this light warns of a failure in the charging system.
- During discharging, this light warns of a failure in the discharging system.
- In a process other than charging/discharging, this light warns of the working status of the DC module and start Fe battery module.
- Illumination of the light during driving indicates a problem of the DC system or start Fe battery system. Turn off the air conditioner, fan, radio, etc. It is recommended to drive the vehicle directly to the nearest authorized BYD vehicle service store carry through for repair.

### SRS fault warning light

- With the power in the OK mode, this warning light will illuminate. If this warning light goes out in about a few seconds later, it indicates that the SRS works normally. The warning light system monitors the SRS ECU, collision sensor, inflator, warning light, wiring and power supply.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD authorised service provider for inspection as soon as possible:
  - With the power in the OK mode, this warning light does not illuminate or stays on upon power-up.
  - This warning light turns on or flashes during driving.

### Motor coolant over temperature warning light

If this warning light stays on, it indicates over temperature in coolant; in this case, immediately stop the vehicle in order to cool it down.

### Steering system fault warning light

- If the steering system fault warning light illuminates, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider.

#### WARM TIP

- The steering system uses the motor to reduce the force required for turning the steering wheel.
  - When turning the steering wheel, you may hear the motor humming when it is working. This is not a sign of a failure.
  - Do not maintain the steering wheel in a limit position for more than 5s; otherwise the temperature protection will be activated, thus causing heavy steering or damages.
- When The steering wheel is turned frequently in place for a long time,if the steering system fault warning light does not illuminate but steering feels heavy, it is not a fault.
    - If the steering wheel is turned frequently in place for a long time, the EPS effect will decrease to prevent over temperature of the system, resulting in heavy steering when operating the steering wheel. In this case, avoid frequently turning the steering wheel or stop and power off the vehicle; the system will return to normal in 10 min.

#### WARNING

- If the steering wheel fault warning light is on, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider.

 **Powertrain fault warning light**

- If the powertrain fails, this warning light will illuminate.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD authorised service provider for inspection as soon as possible:
  - With the power in the OK mode, this warning light stays on.
  - This warning light turns on during driving.

**⚠ CAUTION**

- Brief illumination of this warning light in operation is not a sign of any problems.
- Do not drive the vehicle with the warning light on as much as possible. Contact a BYD authorised service provider for inspection as soon as possible.

 **Power battery over temperature warning light**

- If this indicator illuminates, the power battery is subject to an over temperature. In this case, be sure to stop the vehicle and let the power battery to cool down. If the indicator light flashes, it is recommended to stop the vehicle immediately and license the vehicle as soon as possible.
- Over temperature may arise from:
  - Long distance climbing slopes on a hot day for a long time.
  - Frequent acceleration and braking in stop-and-go traffic or operating for a long time without any break.

 **Power battery fault warning light**

- When the vehicle is powered up (OK), this warning light will illuminate. If the power battery system works normally, this warning light will go out a few seconds later. This indicator will illuminate again if there is a fault in this system later. In this case, contact a BYD authorised service provider for inspection as soon as possible.
- If any of the following situations occurs, it indicates a failure in the parts monitored by the warning light system. In this case, contact a BYD authorised service provider for inspection as soon as possible.
  - With the power in the OK mode, this warning light stays on.
  - This warning light stays on or occasionally illuminates during driving.

 **Motor coolant over temperature warning light**

If this warning light stays on, it indicates over temperature in coolant; in this case, immediately stop the vehicle in order to cool it down. Flashing of this warning light means low coolant level; in this case, immediately add coolant.

 **Motor over temperature warning light**

If this indicator is on, it means that the temperature of the motor is too high and it must be stopped and cooled down.



### **3 Operation of Controller**

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## 3-1 Doors and Keys

### Introduction to Keys

Keys include an electronic intelligent key and Mechanical key (in the intelligent key).

- Electronic intelligent key – By pressing the left/right front door microswitch while carrying the electronic intelligent key with you, you can unlock/lock all doors. By operating buttons on the intelligent key, you can also unlock/lock doors, open the rear trunk lid, and implement remote control start and other functions.



- Mechanical key (in the intelligent key) – It can be used to unlock/lock the driver's door

#### **CAUTION**

- The intelligent key is an electronic component. Please observe the following instructions to prevent damage to the intelligent key:
  - Do not place the key in a position exposed to high temperatures, such as on the dashboard.
  - Do not disassemble it privately.
  - Do not knock other objects with the key or allow the key to fall to the ground.
  - Do not immerse the key in water or clean it in an ultrasonic washer.
  - Do not place the intelligent key near to devices radiating electromagnetic waves, such as mobile phones.
  - Do not attach any objects which shield electromagnetic wave signals to the intelligent key (such as a metal seal).
  - You may register standby keys for one vehicle. For details, please contact a BYD authorised service provider.

**▲NOTE (CONTINUED)**

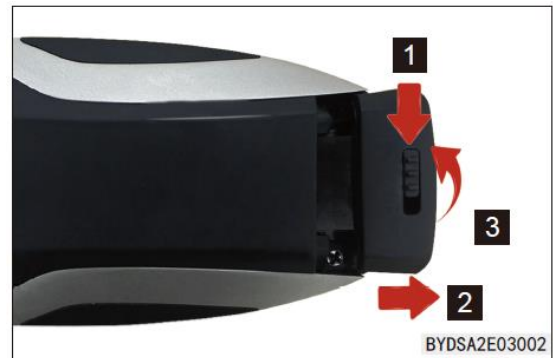
- If the intelligent key fails to control doors within the normal range, or the indicator on the key is dim or out of work:
  - Check if any radio station or radio transmitter of an airport is nearby interfering with the normal operation of the intelligent key.
  - The battery of the intelligent key may be dead. Check the battery in the intelligent key. To replace the battery, please contact a BYD authorised service provider.
- If your intelligent key is lost, contact a BYD authorised service provider as soon as possible to prevent your vehicle from being stolen or any other unexpected accident.
- Do not arbitrarily change the transmission frequency and increase the transmission power (including adding more transmission frequency amplifiers). Do not arbitrarily add an external detection aerial or use other transmission detection aerials instead.
- Avoid harmful interference with legal radio communication services during use. Once any interference is identified, stop using and take measures to eliminate interference before continuing to use the function.
- If the micro power radio equipment is adopted, be sure to keep it away from interference of various radio signals, or radiation from industrial, scientific and medical applications.
- Do not use the function on an airplane or near an airport.
- Individuals with implanted heart pacemakers or cardiac defibrillators shall be kept away from the detection aerial of the PEPS system, as the electromagnetic waves may interfere with such equipment.
- In addition to those using implanted cardiac pacemakers or cardiac defibrillators, users of other electronic medical devices shall also consult the manufacturer of such devices for information regarding their use under the interference of electromagnetic waves. Electromagnetic waves may produce unpredictable consequences to the usage of these medical equipment.

## Mechanical Key

When the mechanical key is not used, be sure to insert it to the intelligent key.

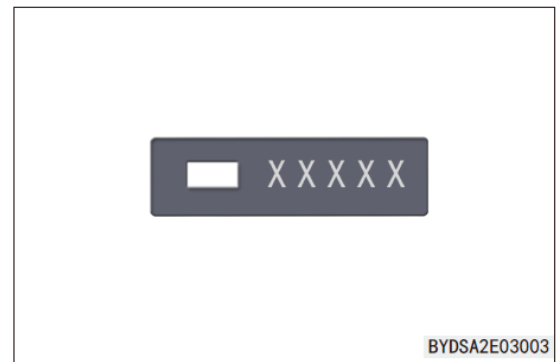
### Taking out the mechanical key

To use the mechanical key in the electronic intelligent key, follow the procedure as shown in the figure. Pull the lock-up button in the direction of arrow **1** to unlock, pull the component in the direction of arrow **2**, pull the electronic intelligent key apart by applying force upward in the direction of arrow **3**, and take out the mechanical key from the electronic intelligent key.



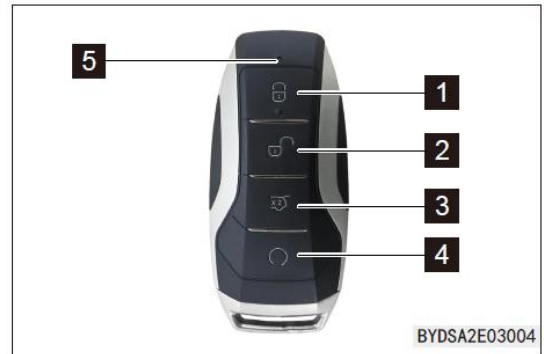
### Key number plate

- The mechanical key No. is shown on the number plate. Store the number plate properly and do not place it in the vehicle.
- If your mechanical key is lost or you need a spare key, you may ask a BYD authorised service provider to reproduce the mechanical key with the mechanical key number plate. BYD recommends that you remember the mechanical key No. and store the number plate in a secure place.



## Electronic intelligent key

- 1 LOCK: lock the doors
- 2 UNLOCK: unlock the doors
- 3 OPEN: open the trunk lid
- 4 START/STOP: start/stop the vehicle
- 5 Indicator



## Door Lock/ Unlock

### Locking/unlocking with mechanical key

Insert the key into the keyhole, turn it

- Unlocking: turn the key in clockwise direction
- Locking: turn the key in counterclockwise direction



### Opening door with door panel handle

- With the vehicle unlocked, pull the handle once to open the door from inside the vehicle.
- With the vehicle unlocked, pull the handle twice continuously to open the door from inside the vehicle.



### Locking/unlocking/locating vehicle with intelligent key

- The wireless remote control function is used to unlock or lock all doors in a short range and implement the additional function.
- When carrying a registered intelligent key into the activation area, you can lock or unlock all the doors by pressing relevant button on the key slowly and firmly.

#### Locking:

- With the vehicle power OFF and all doors and front hood closed, press the LOCK button to lock all vehicle doors at the same time. At this moment, the exterior rearview mirrors fold (switch in AUTO mode of the exterior rearview mirrors) and the turn signals flash once. Check if all doors are securely locked.



- If any door or front hood is not closed, the exterior rearview mirrors will not fold, the turn signals will not flash, and the alarm will produce a sound.

#### Unlocking:

- Press the "UNLOCK" button to unlock all the vehicle doors; at the moment, the turn signals will flash twice.
- If the power is not in the OFF mode, doors cannot be unlocked or locked by pressing the "UNLOCK" or "LOCK" button.

- When you unlock all the doors with the intelligent key, even if no door is opened, the interior lights (turn on the door control switch) will also illuminate and go out 15s later. (This feature can be turned off in multimedia)
- In the anti-theft mode, after using the unlock function of the intelligent key, please open any door within 30s; otherwise, all doors will become locked automatically after this period of time elapses.

### Vehicle locating

- When the vehicle is in anti-theft mode, press the LOCK button, and then the vehicle will keep sounding for a while and the turn signals will flash for 15 times. You may locate your vehicle with this function when you are unable to identify the location of your vehicle.
- When the vehicle is in the vehicle locating state, press the LOCK button again to allow it to get into the next vehicle locating state.

### Intelligent key Rising/Falling Window

- Press and hold the LOCK button on the intelligent key to close the four door windows. (multimedia has related settings, the option system is turned on by default).
- Press and hold the LOCK button on the intelligent key to open the four door windows. (multimedia has related settings, the option system is turned off by default).

### Locking/unlocking with microswitch

#### Locking

With the vehicle power OFF and all doors closed and not locked, press the microswitch on the front door handle to lock all vehicle doors at the same time. At the moment, the turn signals will flash once.



#### Unlocking

- In the anti-theft mode, when carrying a registered intelligent key into the activation area, press the microswitch on the front door handle to unlock all vehicle doors at the same time. At the moment, the turn signals will flash twice.
- In the anti-theft mode, after using the unlock function, please open a door within 30s; otherwise, all doors will become locked automatically after this period of time elapses.

- Doors will not be unlocked/locked when the microswitch is pressed in the following conditions:
  - The microswitch is pressed while any door is being opened or closed.
  - The vehicle power is not in the OFF mode.
  - The key is left in the vehicle.

### **WARM TIP**

- If the intelligent key is too close to an exterior door handle or window, the entry function may not be activated.

### **Microswitch Up/Down Window**

With the vehicle power OFF ,press and hold the microswitch to open or close the four door windows. (Open is default on and close is default of in the system).

### **Locking/unlocking trunk lid**

#### **Opening/closing trunk lid with intelligent key (if any)**

Double-click the trunk lid opening button on the intelligent key to open or close the trunk lid. At this time, the turn signal lamp flashes twice.



### **WARM TIP**

- While the trunk lid is opening or closing, operating the trunk lid opening button will make the trunk lid stop.

### Opening/closing trunk lid from inside the vehicle (if any)

- With the trunk lid closed, pulling button once will make the trunk lid unlock and move to the set height (to the maximum height by default).
- With the vehicle powered up and the trunk lid open, pulling up this button will make the trunk lid close automatically; after releasing this button, the trunk lid will stop closing at the current position



### **i** WARM TIP

- While the trunk lid is opening or closing, operating the trunk lid opening button will make the trunk lid stop.

### Opening trunk lid with exterior trunk lid button

Carry the correct intelligent key for this vehicle, press the exterior trunk lid button to open the trunk lid.

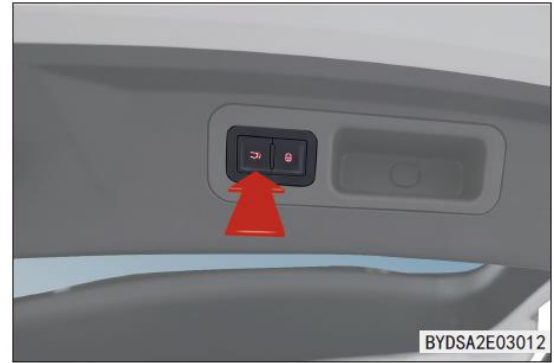


### **i** WARM TIP

- When the trunk lid is acting, pressing the exterior trunk lid button will make the trunk lid stop.

### Electrically trunk closing button (if any)

- With trunk lid open and still, press the interior trunk lid button to close the trunk lid.
- When the trunk lid is closing, press the interior trunk lid button again to make the trunk lid stop at the current position.



### Complete vehicle locking key (if any)

- With the power OFF, carry the correct intelligent key for this vehicle, and press the LOCK button to close the trunk lid, lock the vehicle and make the vehicle enter the anti-theft mode.

### **CAUTION**

- Before electrically closing the trunk lid, confirm whether the doors, windows, sunroof, etc. have been closed to avoid property loss.

### Opening hands-free access trunk lid by kicking action (if any)

- When you stand in the effective detection area of the trunk lid sensor with the valid intelligent key carried, raise your foot comfortably and smoothly like a kicking action under the rear bumper without touching the rear bumper.
  - If the trunk lid is closed, it will open;
  - If the trunk lid is fully open, it will close;
  - If the trunk lid is opening or closing, it will stop.
  - If you make another kicking action, the trunk lid will act reversely.



**📌 WARM TIP**

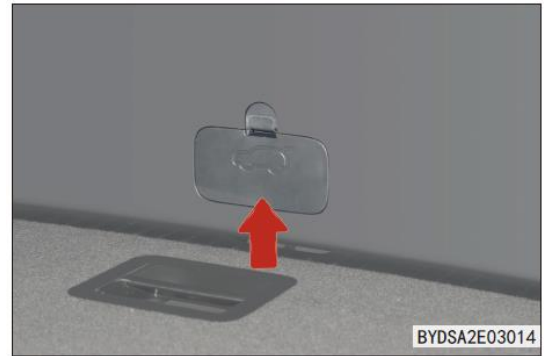
- Complete the entire kicking action within 1s.
- When making kicking action, make sure that the intelligent key is within 1m from the trunk lid.
- When the vehicle is being flushed or rainwater flows in a stream through or snow covers the rear bumper, the hands-free access control system will delay. After such environment is not present for some time, the hands-free access control system will return to normal.
- When the trunk lid lock is being fastened, it will not respond to another kicking action.

**⚠️ WARNING**

- Be sure to make kicking action only within the detection range of the sensor. Otherwise, you may get scalded by touching the exhaust system.
- When making kicking action, make sure you stand steadily on the ground at sufficient distance from the rear of the vehicle. Otherwise, you may lose balance (e.g. standing on ice).
- Do not carry the intelligent key to avoid unexpected opening of the trunk lid in the following conditions:
  - When you are to place or pick up an object at the rear of the vehicle;
  - When you are to maintain (e.g. polish) the rear of the vehicle.

### Unlocking trunk lid from inside the vehicle in an emergency

1. Remove the trunk lid lock service cover on the trunk lid guard.
2. Pull the lock to unlock the trunk lid.



#### **WARM TIP**

- With the vehicle powered off, you may unlock the trunk lid from inside the vehicle in an emergency.

### Setting trunk lid opening height

Manually or automatically set the trunk lid at the desired opening position and keep it there; press and hold the interior trunk lid button for more than 3s. After the speaker sounds for 1s, the current trunk lid height is set successfully.

### Anti-pinch function

- If the power trunk lid encounters force obstructing its movement during closing, it will open automatically in the opposite direction.
- If it encounters force obstructing its movement during opening, it will stop immediately.

**When power-driven function of trunk lid fails**

The electric operation function can be restored by manually closing the trunk lid completely.

**When reconnecting start Fe battery**

After the trunk lid is manually closed, the power trunk lid can operate normally.

**⚠ WARNING**

Observe the following precautions when operating the trunk lid; otherwise, any part of human body may be pinched, resulting in severe injury or even life threat:

- Do not intentionally activate the anti-pinch function with any part of human body.
- If someone is nearby, ensure his/her safety and inform that the trunk lid is about to opened or closed.
- When closing the trunk lid, take special care to prevent fingers or others from being pinched.
- Before opening or closing the trunk lid, thoroughly check the surrounding area to ensure it is safe.
- Close the trunk lid properly before starting the vehicle.
- Remove heavy loads such as snow and ice before opening the trunk lid. Otherwise, the trunk lid may be suddenly closed again after opening.
- When the trunk lid is in power-driven opening/closing process, do not manually operate the trunk lid.
- Be careful when opening or closing the trunk lid in a windy day, as it may move suddenly due to strong wind.
- The anti-pinch function may not work if the trunk lid is obstructed by any object when it is about to be closed fully.
- If the trunk lid is not fully opened, it may become closed suddenly. Opening or closing the trunk lid on a slope is more laborious than on a flat ground, so be careful as the trunk lid may accidentally open or close. Before using trunk, make sure the trunk lid is fully open and fixed.
- The anti-pinch function may not work depending on the shape of the object subject to pinch. Take care not to allow fingers or any other object to be pinched.

## Locking/unlocking with console door lock

### Unlocking and locking all vehicle doors with console door lock

Refer to "Left Front Door Switch Set" in this chapter.

### Automatic locking and unlocking of doors

- When the vehicle speed is over 20km/h, all doors will lock automatically.
- When the START/STOP button is pressed and the power is switched from OK to OFF mode, all doors will unlock automatically.

### Locking or Unlocking all the doors

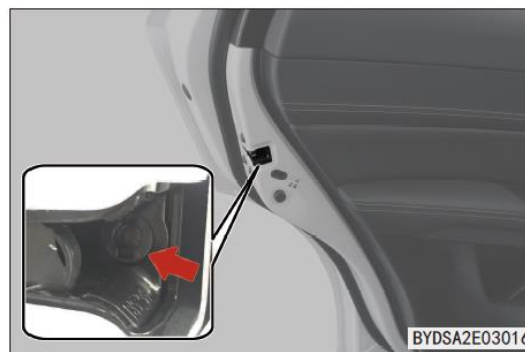
- With the vehicle not in the anti-theft mode, after the vehicle is locked, the console door lock button backlight will illuminate; when the vehicle is unlocked, the backlight will go out.
- Press the console door lock button to lock all vehicle doors at the same time. In this case, the doors cannot be opened from outside the vehicle. To open a door, pull the interior door handle once to unlock the door and pull the interior door handle again to open the door.

### **WARM TIP**

- When the vehicle suffers strong impact, all doors will unlock automatically. Automatic unlocking will depend on the impact strength and the type of accident.

### Emergency mechanical locking of vehicle

- When the console door lock system fails, please lock the left front door by operating the mechanical key, turn the emergency locking knobs of the other three doors counterclockwise with the key to the locked state, and then close the vehicle door. At this time, the whole vehicle enters the locked state, and the four outside handles cannot open the doors.
- When unlocking is required, first operate the mechanical key to unlock the left front door, enter the vehicle, operate the inner button of other doors to unlock, and then pull the outer handle once to open the door



## PEPS System

With an intelligent key carried with you, you can unlock/lock doors and start the vehicle.

### Entry function

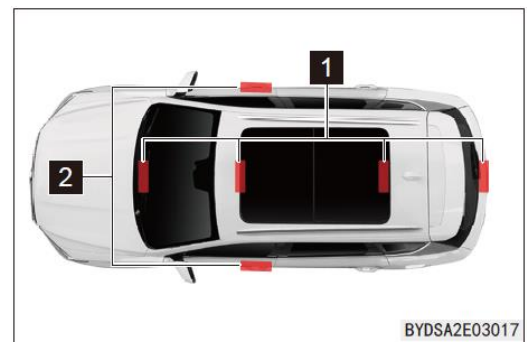
With an intelligent key carried with you, you can unlock or lock doors (refer to sections "Locking/unlocking with intelligent key" and "Locking/unlocking with microswitch" in this chapter).

### Start function

With an intelligent key carried with you, depress the brake pedal and press the START/STOP button to start the vehicle (refer to "Starting the vehicle" in Chapter 4).

### Locations of detection antennas

- 1** Interior detection antenna
- 2** Exterior detection antenna

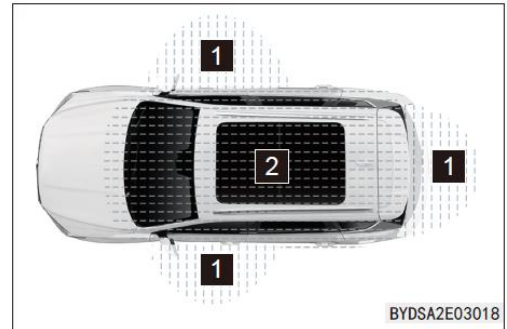


### Activation area

The PEPS function becomes available only when a registered intelligent key is carried into the scope of activation area.

- 1 Entry function activation area — within about 1 m from microswitches on the front door handles and the trunk lid.
- 2 Start function activation area — in the compartment.

When an intelligent key of another vehicle approaches this key, the time of unlocking the doors may be longer than usual. This is a normal phenomenon.



### **WARM TIP**

In the following cases, the PEPS functions may be deactivated:

- There are facilities nearby emitting strong electromagnetic wave, such as television towers, power stations, and radio stations.
- When the intelligent key is carried together with communication devices, such as interphone or mobile phone devices.
- When the intelligent key comes into contact with, or is covered by, metal objects.
- When the door handle is operated quickly.
- When the intelligent key approaches a door handle.
- When there is interference as remote control is being carried out in another vehicle nearby.
- When the key battery is dead.
- When the intelligent key is near high-voltage or noisy equipment.
- When the intelligent key is carried together with another vehicle's intelligent key for PEPS or with any other radio transmitter.
- The intelligent key may not work normally in some positions (e.g. on the dashboard, in the glove box, and on the floor) even if it is in the activation area.

- If the PEPS does not work properly, preventing entry into the vehicle, you may unlock and lock the driver's door with the mechanical key in the intelligent key or unlock and lock all doors with the remote control function.
- When the START/STOP button is pressed and the starting function cannot work normally, it may be caused by the following reasons:
  - The electronic intelligent key does not work, the intelligent key system warning light on the combination instrument illuminates, and the message of "Low key battery" is displayed on the combination instrument, indicating that the key battery may have run out.
  - If you need to start the vehicle repeatedly in a short time, wait for 10s before each vehicle starting cycle.
- If the PEPS does not work properly due to a system fault, contact a BYD authorised service provider with all intelligent keys with you.

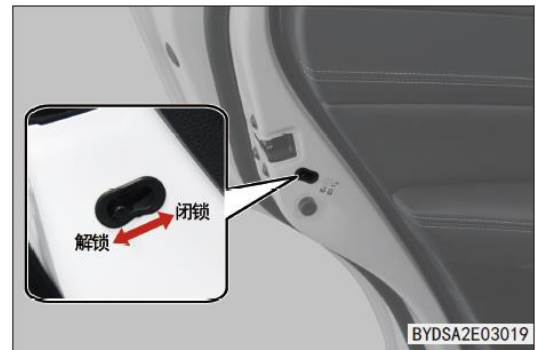
### **Saving battery power**

- The key will still communicate with the vehicle, even if the vehicle is not running. For this reason, do not leave the key in the vehicle or within a range of 2m from the vehicle.
- If the intelligent key receives strong electromagnetic wave for a long time, the battery will run out rapidly. The intelligent key must keep at least 1m distance with the following equipment:
  - Televisions
  - Personal computers
  - Mobile phone chargers
  - Electroliers
  - Fluorescent desk lamps

## Child safety lock

The child safety lock is designed to prevent any child in the rear seat from opening the rear doors unintentionally. There is a child safety lock on the side of the left and right rear doors each.

When the latch is in the "locked" position, the door cannot be opened from inside the vehicle. To open this door, use the outside door handle.



### ⚠ CAUTION

- Confirm that the doors have been closed and child safety lock function has been activated before driving, especially when there is any child in the vehicle.
- Fastening the seat belt and activating the child safety lock function correctly are helpful for preventing the driver and the passengers from being thrown out of the vehicle in case of an accident and preventing unintentional opening of the doors.

## 3-2 Seats

### Instructions for Operating Seats

- Adjust the driver's seat to make the pedals, steering wheel and dashboard controller be in a controllable area of the driver.
- The most effective protective measure in a running vehicle is to keep the seat backrest upright, always keep your body leaning against the backrest properly and adjust the seat belt to a proper position.
- Do not fold any rear seat while the vehicle is running.
- Fix the luggage properly to prevent it from sliding or moving. Do not stack luggage to a height above the seat backrest.

#### **⚠ WARNING**

- Do not sit on a folded backrest or on any goods. Otherwise, any person who is not seated correctly or does not fasten the seat belt correctly may be seriously injured in case of emergency brake or collision.
- Do not put any object under the seat, because such object may affect the seat locking mechanism or accidentally push up the seat position adjustment lever, causing sudden movement of the seat and making the driver lose control on the vehicle.
- Do not put hands under the seat or near any moving part when adjusting the seat to avoid jamming the hands or fingers.
- After adjustment of backrest, lean backward to confirm that the backrest has been locked. If it is not locked completely, personal injury may be caused during an accident or emergency braking.
- If it is not locked completely, personal injury may be caused during an accident or emergency braking. As the shoulder belt on the seat belt cannot be properly fit the body, you or your passengers may hit the shoulder belt in an accident, causing severe injury to the neck or any other part, or you or your passengers may slide out from the lap belt, causing severe injury.
- While the vehicle is running, when any seat is folded, no passenger is allowed to sit in the trunk or on any folding seat. Passengers who sit in these areas without proper protection may suffer severe injury during an accident or emergency braking.
- Do not adjust any seat while the vehicle is running, because the seat may move unpredictably and cause the driver to lose control of the vehicle.
- Do not drive the vehicle before all passengers are seated correctly.
- Pay attention to check the front and rear positions of the rear headrest and the front seat when the rear seat is reclined, so as to avoid interference damage between the rear seat and the front and central passages when the rear seat is reclined.

**WARM TIP**

- Be careful not to damage the seat belt when folding the rear seat, and check whether the buckle is correctly placed in the buckle slot on the cushion.
- Do not fasten the seat belt before adjusting the seat.
- Do not make the seat hit any passenger or luggage when adjusting the seat.
- To measure the seat cushion depth, adjust the seat to the end of its slide rail stroke, with a backrest angle of 23°.

**Adjustment of Front Seat (if any)****Electric adjustment of front seats**

The position adjustment of front power seat includes forward-backward adjustment, upward-downward adjustment (if any), seat basin angle adjustment (if any) and backrest angle adjustment. The following adjustment method can be available depending on the functions of your vehicle.

**1** Seat position adjustment switch

- Move the seat position adjustment switch forward/backward to adjust the seat forward/backward.
- Move the front end of the adjustment switch upward/downward to adjust the seat basin angle.
- Move the rear end of the adjustment switch upward/downward to adjust the height of the seat.

**2** Seat backrest angle adjustment switch

Swing the backrest angle adjustment switch forward/backward to adjust the seat backrest angle.

**WARM TIP**

- Release the button to locate the seat. Do not put any object under the seat. Otherwise, the seat being adjusted may be hindered from moving.

### Lumbar support adjustment (if any)




The contour of the backrest can be changed and the support can be adjusted based on the radius of the lumbar spine. To allow you and your passengers to sit in the seats in a proper and relaxed manner, the seats should support your and their lumbar spines.

- Press the front or rear portion of the switch to increase or decrease the radius.
- Press the upper or lower portion of the switch to extend the arc upward or downward.











### Memory system (if any)

#### Position of memory switch

The memory system set button is located on the left front door shield, together with three memory option buttons: ,  and .



#### Memory setting function

- Memory setting conditions
  - The vehicle power is in the OK mode and the vehicle speed is zero.
  - The seat, exterior rearview mirrors and the steering wheel have been adjusted to required positions.
  - The seat, exterior rearview mirrors and the steering wheel are all free of actions.
- Memory setting methods
  - Press  on the seat memory switch and release it, and then press ,  or  within 3s. After that, the positions of the seat, exterior rearview mirrors and the steering wheel will be memorized and the speaker of combination instrument will sound at the same time. This indicates the completion of memory setting.
  - Press and hold  on the seat memory switch, and meanwhile press ,  or . After that, the speaker of combination instrument will sound. This indicates the completion of memory setting.

**WARM TIP**

- If the position buttons on the memory switch have been set, the set positions will be overridden.

**Memory recalling function**

Normal memory recalling

- With the gearshift lever in P position, if the following conditions are met, when the memory system switch is pressed, the driver's seat memory system will execute memory recalling.
  - The vehicle does not enter the anti-theft mode;
  - The vehicle speed is zero;
  - The memory switch signal is valid.

**Automatic functions**

- Normal functions
  - Automatic reversing function: when the power is switched from "START" to "OFF" mode, when the driver opens the left front door, the seat will automatically reverse for a distance if the seat position is in the front section of total travel to facilitate the driver to get off the vehicle.
  - Automatic forwarding function: when the power is switched from "OFF" to "START" mode, the seat will automatically go forward to the previous power-off position when the driver closes the door after power-up if automatic reversing function was executed in the previous power-off process and no electric adjustment has been made to the horizontal direction of the seat after power-off and door opening.
- User's setting
  - Automatic forwarding and reversing functions may be cancelled or recovered by the user through options on the Vehicle Settings menu on the PAD.

### Heating and ventilation system (if any)

- The heating and ventilation system can be turned on and off by operating the multimedia screen.
- Press the "Convenient" button in the multimedia homepage to retrieve the seat heating and ventilation setting button.

#### Adjustment of heating system

- Seat heating: Operate the seat heating switch to control the heating cushion working modes: high and low temperature modes.
  - After the vehicle is powered up, the heating indicator is initially off;
  - Press the switch for the first time to make the seat heater work in the high temperature mode and two heating indicators will illuminate at the same time;
  - Press it for the second time to make the seat heating cushion work in the low temperature mode, and heating indicator 1 will illuminate while heating indicator 2 will go out;
  - Press it for the third time to deactivate the heating function and both heating indicators will go out.

#### Adjustment of ventilation system

- Seat ventilation: Operate the seat ventilation switch to control the ventilator working modes: high and low speed ventilation modes.
  - After the vehicle is powered up, the ventilation indicator is initially off;
  - Press the switch for the first time to make the seat ventilator work in the high speed mode and two corresponding ventilation indicators illuminate;
  - Press it for the second time to make the seat ventilator work in the low speed mode, and corresponding ventilation indicator 1 will illuminate while ventilation indicator 2 will go out;
  - Press it for the third time to deactivate the ventilation function and both ventilation indicators will go out.

#### Ventilation and heating functions not be turned on at the same time

- Press the ventilation switch to make the ventilator work; if the heating switch is then pressed, the ventilator will stop and the heater will start to work.
- Press the heating switch to make the heater work; if the ventilation switch is then pressed, the heater will stop and the ventilator will start to work.

## Manual adjustment of front seats

### Forward and backward position adjustment

- Hold the adjustment lever and pull it upward. Slide the seat forward or backward to a desired position with slight body pressure and then release the adjustment lever.
- After adjustment of the seat to a corresponding forward or backward position, move the seat forward and backward to confirm that the sound of slide rail being locked is produced and that the seat has been locked in position.



### Backrest adjustment lever

Pull up the adjustment lever and meanwhile tilt the backrest forward or backward to a desired position with your back pressed against the backrest, and then release the lever.



## Folding of Rear Seat

Pull the cable in the direction perpendicular to the backrest



### **WARM TIP**

- When folding or restoring the rear seats, please operate at normal speed to avoid the rapid fall and pull of the backrest, which may cause damage to the rear seat and the seat belts or malfunction.

**WARM TIP(CONTINUED)**

- When unfolding the rear seats, do not force the backrest back first, otherwise the backrest will not be unlocked due to the preload.
- When the backrest is flipped up, pay attention to check that the belt buckle is correctly leaking out of the reserved opening in the seat.

**Headrest**

## 1. Lifting headrest

Lift the headrest to a proper position along the direction of headrest lever, and release the headrest until a lockup sound is heard.



## 2. Lowering headrest

Press the headrest height adjustment button, lower the headrest to a proper position, and then release the button.

## 3. Taking off headrest

Press the headrest height adjustment button, take off the headrest, and then release the button.

## 4. Installing headrest

Insert the headrest connecting rod into the seat cover and keep the groove facing forward. Press the headrest height adjustment button, press the headrest downward to a proper position, and then release the button.

**WARM TIP**

- Headrests can prevent the driver and the passengers in the vehicle from suffering neck injury and other head injuries. A headrest can maximize its protection function when it is adjusted to make the back of a passenger's head be in the middle of the headrest. The headrest should be adjusted to a proper position according to the actual height of the passenger.
- Adjust the headrest height to make the center of the headrest flush with the upper level of your ear.
- After the headrest adjustment is completed, make sure that it is locked firmly.
- Do not drive the vehicle if no headrest is provided.
- Do not attach any object to the headrest stalk.

### 3-3 Steering Wheel

## Steering Wheel Adjustment

### Manual Adjustment of Steering Wheel (If Any)

If the angle of steering wheel needs to be adjusted, hold the steering wheel and operate as follows:

- Press the steering wheel adjustment handle downward, tilt the steering wheel to the desired angle, and then restore the handle to its lock position.



#### **WARM TIP**

- It is suggested that the power steering mode should be set as sport mode if you feel that the steering wheel is light when the vehicle runs at a high speed.

#### **WARNING**

- Do not adjust the steering wheel when the vehicle is running. Otherwise, mis-operation of the vehicle may be caused, resulting in an accident.
- After adjustment, move the steering wheel upward and downward to confirm that it has been locked firmly.

### Steering lock function

- All doors are closed, and when the doors are locked by wireless remote control and microswitch, the steering wheel will be locked.
- With the key in the vehicle, the steering lock is automatically released when the "Start / Stop" button is pressed. If the green indicator on the Start / Stop button flashes, the steering lock is stuck or the steering lock is faulty. To release it, press the "Start/Stop" button and gently shake the steering wheel at the same time. If the green indicator still flashes, it indicates that the steering lock is faulty, and it is recommended to contact BYD Auto Authorized Service Store to check the vehicle.

### 3-4 Switches

#### Light Switch

Turn the knob at the end of the light switch to "☐" to turn off all lights except the daytime running light.



#### Automatic lighting

Turn the light adjustment switch to "☁" BCM collect the brightness value of the light intensity sensor , automatically control the turn-on or turn-off of the low beams and clearance lights.



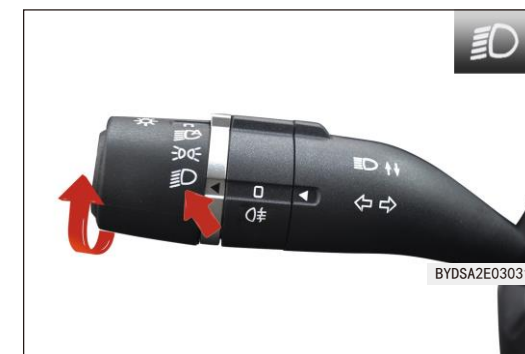
#### Clearance light

Turn the knob at the end of the light switch to "☁☁", to turn on the clearance lights.



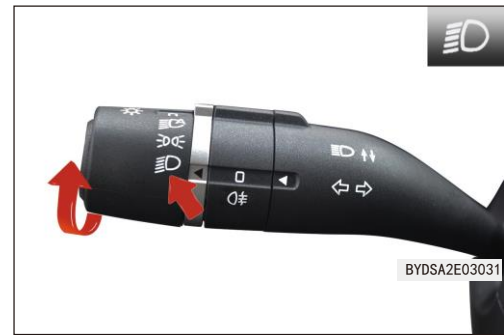
#### Low beam

Turn the knob at the end of the light switch to "☁☁☁" to turn on the low beams and clearance lights.



### Rear fog light

Turn the knob at the end of the light switch to "D" and turn the fog light knob to "☁" to turn on the rear fog lights.



### Overtaking signal

By pulling back the light control lever from its original position (to the side close to the steering wheel) to issue overtaking signal. By releasing the switch, it will automatically return to its original position and turn off overtaking signal.



### High beam

Turn the knob at the end of the light switch to "D", push the light switch down (stay away from steering wheel) to turn on the high beams; push the light switch down again to turn off the high beams.




### Turn signal



- Lift the light adjustment lever gently, the right turn signal and its indicator on the instrument starts flashing at the same time.
- Pull down light adjustment lever, and the left turn signal and its indicator on the instrument will start flashing at the same time.



### Automatic light-off function

- Conditions for turning on the automatic light-off function: When the combination switch lights to the “- After starting the automatic light-off function, if the left front door is closed, the automatic light-off function will automatically turn off the turned-on low beams and clearance lights 10 s later.
- After starting the automatic light-off function, if the left front door is open, the automatic light-off function will automatically turn off the turned-on low beams and clearance lights 10min later.
- After the lights are automatically turned off, if the light adjustment lever status changes, the lights are turned on according to the new status. If the conditions for turning on the lights are still met at this time, the lights are turned off again.
- End of automatic light-off function: After the power supply of the whole vehicle is started, the automatic light-off function ends and the light knob operates normally.
- When the automatic light-off function turns off the light-off function will turn off the lights again and enters the anti-theft state, if the anti-theft state is released, the extinguished lights will turn on automatically again. If the left front door is not opened, the automatic light-off function will turn off the lights again after 10s. If the door is opened, the automatic light-off function will turn off the light after 10min.

### Follow me home

- Follow me home:
  - The owner can set the time of follow me home on the multimedia. the default time is 10s. the combination switch lights are turned to “  - The owner can set the time of follow me home on the multimedia. the default time is 10s. the combination switch lights are turned to “

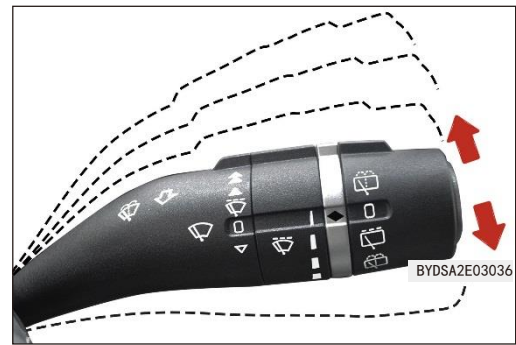
### **CAUTION**

- The light on and off times can be changed through the multimedia interface.

## Wiper Switch

- The control lever is used to control the wipers and washers for the windscreens. The lever can be switched in the following five modes:

- ▲ high-speed wiping
- ▲: low-speed wiping
- ▽: Intermittent wiping
- □: stop wiping
- ▽: Point wiping



- If you want to select the level, just lift or press down the control lever.
- At low speed and high speed, the wiper will wipe continuously.
- If you want the wiper to operate in the point wiping mode “▽”, press down the control lever from the “□” position, and the wiper will wipe at a low speed until you release the control lever.
- When the intermittent level “ ” is set, the intermittent knob on the wiper switch can be rotated, and with the narrowing of the rain indicator bar, the wiper intermittent time will also be prolonged.



### Washer for front windscreen

- To clean the windscreen, please pull the wiper switch back (close to the steering wheel), the washer sprays water all the time, and the wiper works at the same time.
- Release the wiper switch and the washer stops spraying water. When the time to pull the wiper switch is less than 1s, the wiper will wipe twice after performing the current action.



**Wiper and washer for rear windscreen**

Turn the knob at the end of the wiper switch to "I" to activate the wiper for rear windscreen. Turn the knob to "0" to stop the wiper.



By turning the knob to the rear wiper position "II", both the wiper and washer for rear windscreen will start.



Turn the switch knob to the rear wiper position "II" and then release it. The wiper will work 2 more times after spraying of washing fluid.

**WARM TIP**

- Check wiper blades and clear the dirt on them at regular intervals.
- If the wiper is started at the beginning of rainfall when rainwater mixes with sand and dust, the wiper is unable to clean the windscreen. On the contrary, it may result in a blurred view in an instant, affecting driving safety.
- Please use glass detergent. Water or other types of detergent may cause damage to the washer motor.
- If the back door is opened or not fully closed, the wiper function will be invalid after the wiper switch is controlled; After the back door is closed, the rear wiper function will return to normal.

## Left Front Door Switch Set

- The switch on each door can be used to operate corresponding window.
- The power must be in the OK mode or within the power-off delay time of the "OFF" mode.

### Power window switch

- There are four regulator switches equipped on the driver's door for the driver to control all the windows on four doors.
  - Down – press the switch.
  - Up – pull up the switch.



### Automatic operation (If any)

- Window open: Press the switch button to the second position, and release the window to achieve automatic window opening.
- Window close: Pull the switch button up to the second position. After releasing the operation, the window can be automatically closed.
- To stop halfway, tap in the opposite direction.

### Manual operation

- Window open: Press the switch button to the first position, do not release the operation, the window can be continuously opened manually.
- Window close: Pull the switch button up to the first position. do not release the operation, the window can be continuously closed manually.

### Anti-pinch function (If any)

Anti-pinch function is provided to automatically stop and return the closing window glass once an obstruction is sensed when the window is being closed.

### Initialization of anti-pinch function (装有时)

- If the constant power supply of the start Fe battery is cut off when the window is being opened/closed, both the automatic closing function and the anti-pinch function of the window will not work, and the indicator flashes. The initialization should be performed as follows:
  - pull up and hold the window regulator switch to raise the window to the top position and keep the window stall at the top position for 0.5s.
  - When uses the one-button closing function, if the window up near the sealing strip of the upper window frame and the upper edge of the window receives a certain resistance, it will move in the anti-pinch reverse direction.

#### ⚠ CAUTION

- Initializing the anti-pinch function too frequently will result in overheat protection of the regulator motor.
- Do not activate the anti-pinch function by intentionally causing the window being obstructed by any part of human body.
- The anti-pinch function may not work if the window is obstructed by any object when it is about to be closed fully.
- It is recommended that a BYD authorised service provider should be contacted for maintenance if the automatic closing function and the anti-pinch function of the window do not work.

### Window lock button

- Press the window lock switch, the red indicator of the window lock will be on. Only the driver's switch can control the four-door window closing/opening. The rear window switch cannot control the window's closing/opening.
- Press the window lock switch again, the window lock red indicator will go out, and the rear window switch will resume normal operation.



## Console door lock

Driver's door is equipped with electric door lock switches, which can lock or unlock all doors of the vehicle.

### 1 Lock

By pressing the lock button on the console door lock, all the four doors will be locked at the same time and the red locking indicator will illuminate.





### 2 Unlock

By pressing the unlock button on the console door lock, all the four doors will be unlocked at the same time. Lock red indicator goes out.

## Exterior rearview mirror adjustment button

### Exterior rearview mirror selection button

 Left exterior rearview mirror selection button

 Right exterior rearview mirror selection button



### Exterior rearview mirror adjustment button

Press this button to adjust an exterior rearview mirror to a proper position.

### Electric exterior rearview mirror folding button

Press this button, the left and right rearview mirrors fold at the same time, press this button again, and the rearview mirrors unfold.

## WARM TIP

- If the rearview mirror is frozen, do not operate the controller or scrape the surface of the rearview mirror. Use a spray deicer to remove the ice on the surface of the rearview mirror.

## Mileage switch

- Press the "Mileage Switch" switch to "Total Mileage"- "Mileage One"- "Mileage Two"- "Total Mileage" while the meter displays the corresponding information switching status.
- Press "Mileage One" and "Mileage Two" for a long time to clear the mileage information.



## Light switch set

The light switch set consists of a discharge switch and a headlights adjusting switch.

### Discharge button


- When the vehicle is powered OFF, press this button to enter the discharge mode setting interface. At the moment, prompt information is displayed on the combination instrument.



### Headlights Adjustment Switch

- This switch is used to adjust the beam angle of headlights upward/downward. After low beams are turned on, this switch can be operated.
- When the headlight adjustment switch is at level 0, the beam height of the headlights is at the highest level. When the switch is at level 5, the beam height of the headlights is at the lowest level. The driver may set the adjustment switch to a desired level from level 0 to level 5 depending on his/her need and the beam height of the headlights will change accordingly.

## Hazard warning light button

By pressing the button , all turn signals will start to flash and the turn signal indicator on the instrument will flash

synchronously. By pressing the button  again, the turn signals and the turn signal indicator will stop flashing.



## Mode Switch Set

The parking switch set includes EPB switch and AVH switch.

### ECO mode,/SPORT mode

- Move the switch up to ECO to select ECO mode
- Move the switch down to SPORT to select the SPORT mode.



### Snow mode

- This special mode is for the very hard road surface covered by a layer of soft or wet objects (such as grass, snow, ice or gravel).covered by a layer of soft or wet objects (such as grass, snow, ice or gravel).
- In this mode, the towing, driving and control performance under wet and slippery conditions will be optimized, and the accelerator pedal should be selected prudently.

## **⚠ CAUTION**

- Turning off the ESP system may be workable if the motor performance is reduced due to the activation of dynamic stability control function under loose and soft snow conditions. The ESP system must be restarted after the difficulty has been overcome.

## Steering Wheel Switch Set



## Left Button

**Cruise switch**  /  (If Any)

- Turning on/off cruise control system

**+/reset (If Any)** 

- Scroll the roller upward, and the short press will increase the speed by 2km/h; Long press continues to increase the speed.
- Activate the cruise system and call the last system setting parameter.

**-/Set (If Any)** 

- Scroll down the roller and the short press will down the speed by 2km/h . Long press continues to decrease the speed.
- Set the current vehicle speed as the target cruise speed.

**Vehicle distance -(If Any)**

- In ACC cruise follow-up function, adjust the headway with the front vehicle to down a level.

**Vehicle distance +(If Any)**

- In acc cruise follow-up function, adjust the headway with the the front vehicle up a level.

**Cancel button (If Any)**

- Cancels cruise activation state, system changes from activation to standby state.

**WARM TIP**

- For details, please refer to the 4- Constant Speed Cruise System in the Use and Driving chapter, the When Installed and the Adaptive Cruise System (If any)

**Customize Button**

- With the Customize button not customized, press or press and hold it to enter the Customize interface. Customizable functions include multimedia screen rotation, taking photos with the vehicle traveling data recorder (if any), and others.
- With the Customize button having a customized function, press it to activate the function; press and hold it to enter the Customize interface to re-customize a function or cancel customization.

**All-around view monitor system (if any)**

- Press the all-around view button or through multimedia to enter all-around view monitor Mode In all-around view mode, press this button to turn off the all-around view monitor. In a mode other than all-around view mode, press this button to turn on the all-around view monitor.

**Right Button****Scroll Wheel****Multimedia**

- Pull the scroll wheel upward to increase the sound volume by a single step until the maximum volume is reached ( 12 level in a circle ).
- Pull the scroll wheel downward to decrease the sound volume by a single step until the minimum volume is reached ( 12 level in a circle ).
- Press the scroll wheel to mute.

## Instrument

- Pull the scroll wheel upward :
  - In instrument menu mode, select the upward second / third level menu item.
- Pull the scroll wheel downward :
  - In instrument menu mode, select the downward second / third level menu item.
- Press scroll wheel:
  - In instrument menu mode, enter the next menu of the current option or confirm the current setting;
  - When preset charging settings, Confirm current settings.

## Left/Right Button



## Multimedia

- Radio mode:
  - Press and hold ◀ to automatically search the previous channel with strong signal (decrease the frequency).
  - Press ◀ once to select the pre-saved radio station upward;
  - Press and hold ▶, to automatically search the next channel with strong signal ( increase the frequency )
  - Press ▶ once to select the pre-saved radio station downward;
- USB/ bluetooth music/third party music APP and other modes:
  - Press ◀ to play the previous song (song number -1).
  - Press ◀, Bluetooth call record, phone book interface, and press the key briefly to upward select
  - Press ▶ to play the next song (song number +1).
  - Press ▶, Bluetooth call record, phone book interface, and press the key briefly to downward select.

## Instrument

- In instrument menu mode:
  - Press ◀ to switch to the first level menu and its sub menus to the left.
  - Press ▶ to switch to the first level menu and its sub menus to the right.

Call Button: 

- Press this button to dial/accept a call (the audio system becomes mute when the button is pressed).

- When the system displays an interface not related to Bluetooth, if Bluetooth is not connected, press this button once to make the system enter the main interface of phone selection; if Bluetooth has been connected, press this button to make the system enter the dial interface.
- After entering a phone number in the dial interface or select an entry in the call recent or phone directory interface, press this button to achieve the dial function.
- When the Bluetooth is connected and no phone number is entered in the dial interface, press this button to enter the outgoing call interface under the call recent, press this button again to enable the system to automatically make a call of the first entry on the outgoing call interface.

#### Speech recognition:

- Press the automatic speech recognition button to switch the multimedia screen to the speech recognition page and implement the intelligent speech function.

#### Instrument/Return:

- When the Instrument is not in menu mode, press the Instrument/Return button to pop up the Instrument menu.
- In the instrument menu mode, press the Instrument/Return button to return to the upper menu , and exit the menu without the upper menu .
- In the charging menu, press the instrument/return button to enter the preset charging setting menu.
- When in the preset charging menu, press the meter/return button to exit the preset charging.
- When in the Bluetooth call menu, press to end the call.

#### Mode:

- In selection mode, press this button to switch in the circulation of broadcast FM → Am(if any)→music (local) → music (USB, if a USB flash drive is connected to the USB port) → Bluetooth music (if connected) → third-party APP (app opened in the background with sound) → broadcast FM.
  - If the audio system is turned off, press this button once to turn on the audio system and make it enter the memory play mode saved at the time of last turning off. If there are no sources of play (such as no connection with external audio equipment) in the memory play mode, the audio system will directly switch to the FM mode. Press this button again, and the audio system will switch in the above-mentioned order.
  - Press and hold this button to turn off the audio system.

## Sunroof Switch(if any)

When operating the sunroof, the power of the whole vehicle is on "OK" position or the power-off delay of "OFF" position .

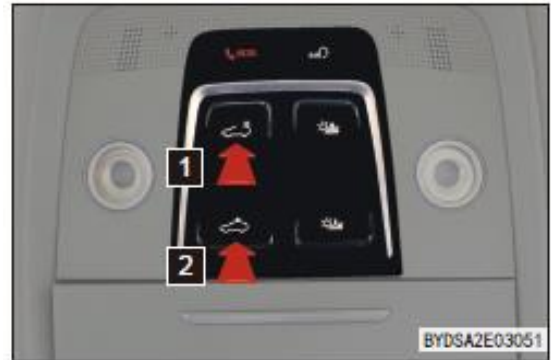
### Panoramic sunroof

#### Opening sunroof

- Touch the sunroof opening button **1** and hold; Manual opening of sunroof; If you release the button halfway; Sunroof will stop at the current position

- Touch the sunroof opening button **1** and release it immediately. The sunroof is tilted upward for ventilation. Touch it again, and the sunroof will automatically open to two-thirds of the position. Touch it again, and the sunroof will be completely

opened. If you touch the button **1** or button **2** halfway, the sunroof will stop at the current position.



#### Closing sunroof

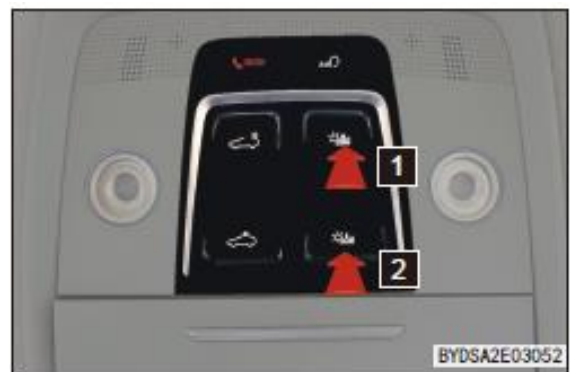
- Touch the sunroof closing button **2** and hold Manual closing sunroof, if you release the button halfway Sunroof will stop at the current position

- If it has been initialized, when the sunroof closing button **2** is touched and released immediately, the sunroof automatically closes. Touch the button **1** or button **2** halfway and the sunroof will stop at the current position.

#### Opening of sunshade

- Touch the sunshade close button, **1** and hold manually open the sunshade, release the button halfway, and the sunshade will stop at the current position.

- Touch the sunshade opening button **1**. Release immediately after; The sunshade automatically opens; Touch the button **1** or button **2** halfway, the sunshade will stop at the current position.



### Closing of sunshade

- Touch the sunshade close button **2** and hold manually close the sunshade, release the button halfway, and the sunshade will stop at the current position.
- If it has been initialized, when the sunroof close button **2** is touched and released immediately, the sunroof automatically closes. Touch the button **1** or button **2** halfway and the sunroof will stop at the current position.

### Sunshade linkage open function

When the sunroof is opened, the sunshade will be opened in conjunction with the sunroof.

### Anti-pinch function

During the closing of the sunroof or sunshade, if a person or object is caught, the sunroof or sunshade will automatically open for a distance.

#### **⚠ WARNING**

- Extremely serious injuries may be caused to passenger's hands or head once pinched by the closing sunroof.
- Never extend head, hands or any bodily parts outside the sunroof when vehicle is running; otherwise, serious injuries or even life threat will be caused.

#### **⚠ CAUTION**

- If you try to open the sunroof in the environment below 0 °C or when it is covered with ice and snow, the sunroof or motor may be damaged.

### Initialization Method

When the power gear of the whole vehicle is in "OK" position, keeping the signal valid, and the sunroof is not initialized, the initialization setting can be attempted as follows:

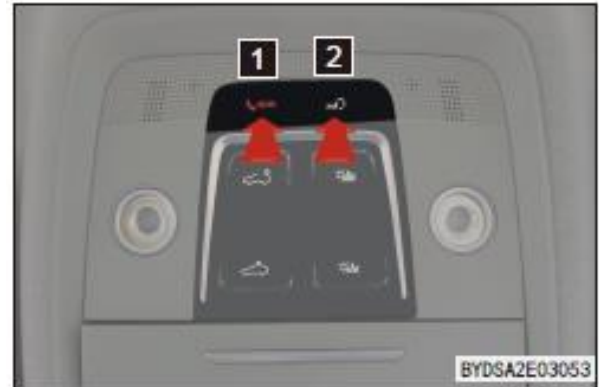
1. Press the sunroof close button to close the sunroof to the top position;
2. Close the sunshade to top position;
3. Move sunshade to full open position;
4. Move sunroof to full open position;
5. Move sunshade to full off position


**⚠ CAUTION**

- During the entire initialization process, you need to press and hold the sunroof close button and do not release it. You cannot release the switch until the initialization is complete.
- The sunroof and sunshade are initialized at the same time.

**E-call/ cloud; call; button; (if any)****1 E-call**

E-call is short for emergency call. When the user's vehicle suffers a serious collision or encounters an emergency, the user can press this button to connect to the call center with the highest priority. The customer service personnel will obtain important data of the user and the vehicle and assist the user in escaping from danger, and dispatch an ambulance to the scene immediately if necessary to ensure the user's safety.





- When the user presses the E-call button for less than 2s, the multimedia display screen will display a prompt box with the message: "Please press and hold the SOS button to call emergency rescue".
- When the user presses the E-call button for 2s or longer, the multimedia will directly call the emergency rescue center. To hang up, tap the  hang up button on the multimedia display screen.

**📄 WARM TIP**

- To ensure the user's safety, as long as the user presses the E-call button for 2s or longer, even if the user hangs up, a special personnel of the BYD Emergency Rescue Center will call back the user.
- In the event of a serious safety incident, the vehicle system will automatically call the emergency rescue center. To prevent an emergency, the E-call automatic dialing will be treated as accepting call by default.

**2 Cloud-call**

Cloud-call refers to roadside assistance. When the user's vehicle fails, press this button to send a "roadside assistance" signal to the BYD Intelligent Service Center so as to obtain a series of assistance such as roadside assistance, information provision and humane care with the help from the Service Center.

- When the user presses the Cloud-call button for less than 2s, the multimedia display screen will display a prompt box with the message: "Please press and hold the button  to call BYD Intelligent Service Center". To use the function, the user must press and hold this button for 2s or longer.
- When the user presses the Cloud-call button for 2s or longer, the multimedia will directly call the Intelligent Service Center to guarantee the user's travel. tap the  hang up button on the multimedia display screen
- Remote navigation: When the user does not know a specific location or is not convenient to operate, the user may press the Cloud-call button to request assistance in remote navigation. The Cloud-call service center will position the destination and issue information to the vehicle system. The vehicle system will automatically activate the map and navigate to the destination.

## Interior Light Switch

### Switch for front interior light

In any power mode, touch the front interior light mask to turn on the front interior light.

#### Camera(if any)

The camera can be controlled using an APP on the PAD.



### Interior lights on the side

Touch-side interior light Mask, to turn on interior side light.





## 4 Application and Driving

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## 4-1 Charging/Discharging Instructions

### Charging Instructions

#### Safety warnings for charging

- It is forbidden for minors to perform charging operation or touch or use the charging equipment. As the charging plug is a high-voltage electrical device, do not allow minors to approach during charging.
- Charging may affect medical or implantable electronic devices. Consult the electronic device manufacturer before charging.
- Please charge the vehicle in a relatively safe environment (no liquids, open flames or heat sources).
  - If charging has to be carried out during rainfall, protect the charging unit to prevent water from entering the unit.
- Equipment inspection and operation before charging:
  - Make sure that the power supply equipment, charging plug, charging port and charging connection devices are free of abnormal conditions such as cable wear, rusted port, cracked housing, or foreign objects in the port;
  - Do not charge the vehicle when any metal terminal of the power supply plug / power supply socket or charging plug / charging port is damaged or loose due to rusting or corrosion;
  - When the charging plug / charging port and power supply plug / power supply socket have obvious stain or damp, wipe them with a dry and clean cloth to ensure that the connection is dry and clean.
- Use electric vehicle specific charging equipment that meets relevant national standards:
  - Do not modify, remove or repair the charging equipment or relevant ports to avoid resulting in a fault to charge or in fire disaster;
  - Do not use nonconforming products.
- Do not operate with wet hand; otherwise, electric shock and personal injury may be caused.
- Immediately stop charging and contact a BYD authorised service provider if abnormal condition is found in the vehicle or charging equipment during charging.
- To prevent damage to the vehicle during charging, observe the following precautions:
  - Do not shake the charging plug; otherwise, it may cause damage to the charging port of the vehicle;
  - Do not charge the vehicle in thunderstorm weather, because lightning stroke may cause damage to the vehicle.
- Do not open the front compartment for maintenance during charging.

- After charging, do not disconnect the charging equipment with wet hands or while standing in the water, so as to prevent electric shock that may result in personal injury.
  - Before driving, make sure that the charging equipment has been disconnected from the charging port.

### Precautions for charging

- When the SOC indicator bar on the combination instrument turns red, it indicates that the power battery is about to run out. In this case, charge it in time; otherwise, it will affect the service life of the power battery.
- AC charging with household portable equipment refers to charging with A/C charging connection device provided for the vehicle ("3-pin to 7-pin" for short). It is recommended to use 220V 50Hz 10A dedicated AC line and power socket to avoid line damage and protective trip due to high-power charging, affecting the normal use of other equipment.
- In order to avoid damage to the charging equipment (precautions for charging equipment):
  - Do not impact the charging equipment and take care to prevent mechanical damage such as dropping and impact by external force;
  - Do not place the charging equipment near a heater or other heat sources.
- Charging plug connection operation before charging:
  - Make sure that the charging plug and charging port are free of foreign objects, and the electric shock protection cap on the terminal of the charging plug are not loose or deformed;
  - Hold the charging plug in hand, align the charging plug with and push it into the charging port, and make that the charging plug is inserted in place.
- Charging plug disconnection operation after charging:
  - Stop charging and make sure the charging port is unlocked;
  - Hold the charging plug in hard, press the button on the charging plug, and pull out the charging plug;
  - Do not pull out the charging plug forcibly when the charging port is locked; otherwise, the charging port will be damaged.
- To ensure safety, it is recommended to power off the vehicle before charging.
- Precautions for charging:
  - During charging, the A/C can be used normally. To ensure sufficient charging power, it is not recommended to turn on the A/C.
  - When charging, the vehicle shall be parked in a ventilated area. Persons are not recommended to remain inside the vehicle while charging takes place.
  - During charging, the predicted time to full charge will be displayed on the combination instrument. It is normal that the predicted time to full charge may vary to some extent with the temperature, SOC and charging facility

- Before the end of charging, the instrument shows that "under calculation" and "under equalization" are normal phenomena.
- After the power battery is fully charged, the charging system will automatically stop charging.
- To stop DC charging, turn off the DC charger and then disconnect the charging connection device. For AC charging with household portable equipment, disconnect the charging plug at the vehicle end and then disconnect the power supply plug at the power supply end.
- After charging ends and the charging plug is removed, make sure that the charging port protection cover and charging port cap are closed, because water or foreign objects may enter the charging port and affect the normal use.
- Before starting the vehicle, make sure the charging equipment has been disconnected, because when the charging equipment locking mechanism is not fully locked up, the vehicle can also be powered up (OK) and driven in gear, and this may result in damage to the charging equipment as well as the vehicle.
- If the vehicle is not to be used for an extended period of time, it is recommended that it be charged and driven once every 3 months to prolong the service life of the power battery.
- If the charging port cap is frozen due to cold weather or others, it is recommended to melt the ice with hot water before opening the charging port cap. Do not forcibly open the charging port cap.
- The vehicle cannot be charged normally when the battery temperature is too high or too low.
- When charging at low temperature, the temperature control system can improve the low temperature charging capability of the battery and the charging performance of the vehicle.
- For DC charging in low temperature and high-power state, the charging current is small based on the low temperature characteristics of the battery, so in order to improve the charging speed, it is recommended that you charge the vehicle in low power state in low temperature environment.
- For low-temperature AC charging, the temperature control system will start to work in order to increase the charge quantity. Compared with DC charging, the heating energy consumption will increase and the charging time will increase. This is the normal performance of charging in low-temperature environment.
- To improve the vehicle driving experience, it is recommended that the vehicle be charged immediately after being driven. At this moment, the temperature of power battery is relatively high and the charging performance can be improved.
- Both the performance of the battery temperature control system and the charging performance of the vehicle will be affected if A/C is turned on during charging at a low temperature.
- When heating or cooling is turned on during charging, it is normal that there is a certain delay in the charging time and the charging power will increase slightly.
- During charging, battery cooling may start, and it is normal that the compressor, fan and other components may operate as needed and there will be some sound in the front compartment.

- During charging, after the battery cooling or heating starts, it is normal that the charging power displayed on the instrument may drop and fluctuate for a short time.
- Before charging is completed, to improve the battery service life, the battery equalization function will be activated, and this may result in delay in charging time.

### Charging mode

This pure electric vehicle is driven by electric energy supplied from power battery. To prevent insufficient power of the power battery affecting the vehicle driving experience, it is very important to charge the vehicle in time and estimate the power demand before driving.

#### The vehicle can be charged by three methods:

1. AC charging with household portable equipment
  2. AC charging through charging pile
  3. DC charging with charger
- The charging time of power battery varies with the charging method, current SOC, real-time temperature, service time, ambient temperature and other conditions.
  - Charging equipment in line with GB/T18487.1-2015.

### Charging modes

1. Preset charging (to charge the vehicle for a fixed period of time in accordance with the charging time set by the user)

Refer to setting procedures of preset charging function on the combination instrument for details.

2. Instant charging (charging starts after connection to the charging port or after operation)

### Diagnosis of general charging faults

Fault Status	Possible Cause	Solution
Charging unavailable, physical connection completed but charging not started	The power battery is fully charged	When the power battery is fully charged, it will automatically stop charging.
	The temperature of power battery is too high or too low	Place the vehicle in an environment with suitable temperature; start charging after the temperature becomes normal.
	The start Fe battery is over-discharged	Replace the start Fe battery
	The charging equipment is faulty	Confirm that the power indicator of the charging equipment is normal or there is no other abnormal message; otherwise, replace the charging equipment to charge or contact the charging equipment supplier.
	The vehicle display is faulty	Stop charging and contact a BYD authorised service provider after confirming that there is any prompt message of charging system fault on the combination instrument.
Charging stops in the charging process	The power grid fails	When the power grid resumes power supply, the charging equipment will restart charging.
	Charging cable is not connected properly	Confirm that the cable of charging connection device is not loosely connected.
	The button of charging connection device is pressed down	The charging equipment will stop charging if the button of charging connection device is pressed down. Re-connect the charging connection device to start charging.
	The temperature of power battery is too high or too low	The EV function limitation is displayed on the combination instrument and the charging equipment will stop charging automatically. Recharge after the battery cools down.
	The vehicle or charging pile is faulted	Contact a BYD authorised service provider after confirming that there is a prompt of the fault of charging pile or vehicle.
	Press the key, microswitch or window control switch	To stop charging, pull out the charging plug within 30s after unlocking.

## Charging Method

- Inspection before charging:
  - Make sure that the charging equipment has no abnormalities such as cracked housing, worn cable, rusted plug or foreign object.
  - Do not charge when the charging connection device connection is loose.
  - Make sure that there is no water or foreign object in the charging port, and the metal terminal is not rusted or corroded.
  - Do not charge if the above condition exists; otherwise, it may cause short circuit or electric shock, resulting in personal injury.

### AC charging with household portable equipment

#### 1. Equipment description

- The AC charging connection device is a charging unit delivered with the vehicle. It is used to connect the vehicle and the standard household single-phase two-pole socket (220V, 50Hz, 10A) with grounding to charge the vehicle.
- A household socket in line with the national standard should be selected as power supply socket to prevent high-power charging from damaging the circuit and causing protective tripping that may affect the normal service of other equipment.
- The equipment consists of power supply plug, charging plug, charging plug protection cover, and charging cable in line with the national standard ("3-pin to 7-pin" for short). The power supply plug is connected to the household standard power supply socket, and the charging plug is connected to the vehicle charging port.
- Specifications of equipment: 220V AC 50Hz 8A
- Charging time: Please refer to the charging time prompting message displayed on the combination instrument.



**WARM TIP**

- It is recommended to contact a BYD authorised service provider or local electrician and select proper power supply according to the requirements of the charging equipment.
- Charging equipment grounding instructions: The equipment must be well grounded. If the charging equipment is faulted or damaged, the grounding wire will discharge in a circuit with the minimum impedance, so that the risk of electric shock will be reduced. It is equipped with a grounding wire connecting the equipment grounding point and the grounding point of power supply plug. The plug must match with the power supply socket that is correctly installed and well grounded.

**CAUTION**

- During charging, the charging connection cable should not be coiled; otherwise, heat dissipation will be affected.
- Refer to the charging instructions for specific charging precautions.

**WARNING**

- Refer to the charging safety warnings in the charging instructions for specific charging safety warnings.
- The maximum operating ambient temperature is 50°C. Please store this product in a cool and dry place when it is not in use.
- During charging, do not place the equipment in the trunk, under the vehicle nose, or near the tyre.
- Do not drop or tread on the product or allow vehicle to run over it during use.
- Do not let the equipment fall from height. Do not move the charging equipment by directly pulling the cable. Handle it gently.
- Do not modify, remove or repair the charging equipment or relevant ports.
- Do not use any additional electric wire or adapter. If additional adapter necessary, please select the appropriate wire diameter ( $\geq 1.5$  flat wires) and the adapter parameters shall meet the requirements.
- Do not use the charging equipment in the cases of softening of household power supply socket wire, wearing of charging plug cable, cracking of insulation layer, or any other damage conditions.
- Do not use the charging equipment when the charging plug, power supply plug or socket is broken, cracked or showing any surface damage conditions.

## 2. Guidance on charging operation

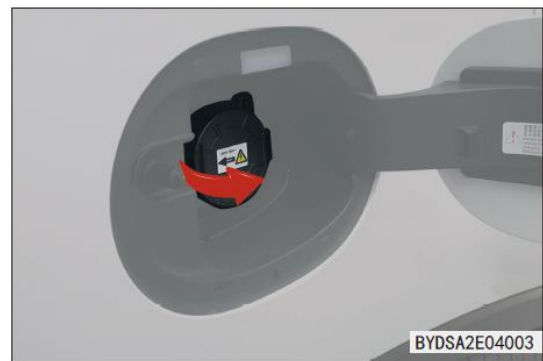
- Unlock the charging port cap, open the charging port cap and charging port protection cover:

- Opening charging port cap:

Unlock the vehicle and press the charging port cap button to open the charging port cap automatically.

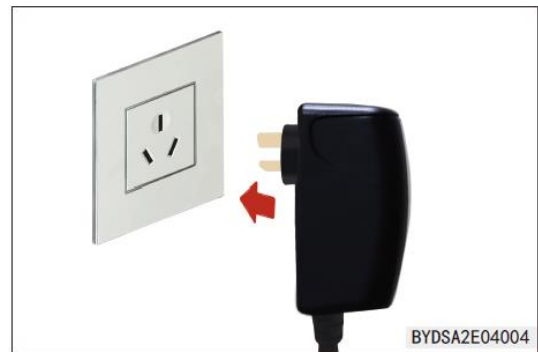


- Open the protective cover of the charging port;



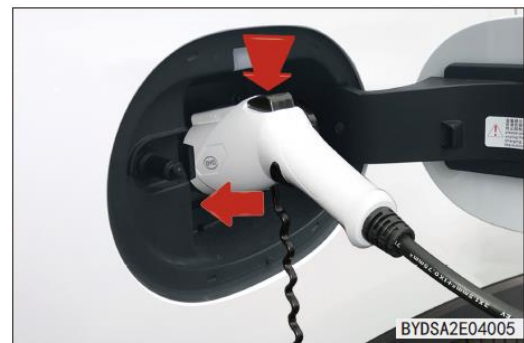
- Connecting power supply port:

- Insert the power supply plug of the 3-pin to 7-pin equipment into the household socket. The power indicator of the 3-pin to 7-pin equipment will stay on (in red).



- Connecting vehicle charging port:

- Connect the charging plug of the 3-pin to 7-pin equipment to the charging port and lock it securely.
- Connect the charging plug. The charging plug connected indicator on the combination instrument will illuminate and the charging indicator of the 3-pin to 7-pin equipment will flash (in green).



- In the charging process, relevant charging parameters and charging animation will be displayed on the instrument.
  - In this condition, preset charging can be set via the instrument. Refer to setting procedure of preset charging function on the combination instrument for details.

### 3. Guidance on stopping charging

- End charging:
  - Charging will end automatically when the vehicle is fully charged;
  - To end charging in advance, proceed to the next step.

- Disconnect the charging port connection:

- If the electric lock works in the inactive anti-theft mode, press the mechanical button of the charging plug directly, and pull out the charging plug;
- If the electric lock works in the active anti-theft mode, press the UNLOCK button on the key or press the microswitch on the door handle (when the key is nearby), press the mechanical button of the charging plug, and pull out the charging plug.



#### **WARM TIP**

- Unlock the vehicle by pressing unlock button on the key (for charging in the OFF mode) or press the microswitch on the door handle (when the key is nearby).
- Before pulling out the charging plug, unlock the vehicle to unlock the electric lock of the charging port, and pull out the charging plug within 30s; otherwise, the electric lock of the charging port will be locked again.
- The working mode of electric lock can be set via the multimedia. For the setting procedure, please refer to the working mode settings of electric lock via the multimedia.
- If the charging plug cannot be pulled out after unlocking, attempt to unlock for several times. If the charging plug cannot be pulled out, try emergency unlocking. For the operation steps, refer to the emergency unlocking of charging port in section about the charging port electric lock control.
- During charging, the predicted time to full charge will be displayed on the combination instrument. It is normal that the predicted time to full charge may vary to some extent with the temperature, SOC and charging facility.
- When the power is low, You cannot use the preset charging function

**WARM TIP(CONTINUED)**

- When the vehicle is equipped with a DC charging boost module, the power consumption on the charging pile of the low-voltage platform will increase compared with that on the charging pile of the high-voltage platform, and the charging efficiency of the vehicle without the DC charging charging boost module will be 1%-2% lower.

- Disconnect the power supply plug.
- Close the charging port protection cover and charging port cap.
- Put the 3-pin to 7-pin equipment into the storage box in the trunk.

**Single-phase AC charging through charging pile (if any)****1. Equipment description**

## Single-phase AC charging box

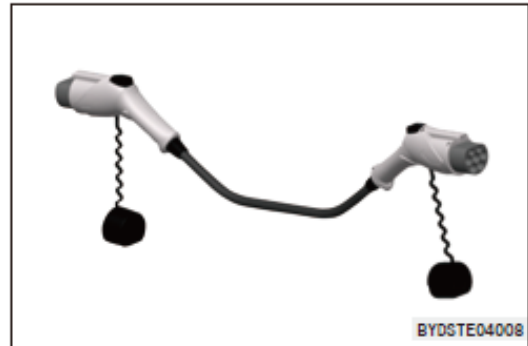
- The charging box delivered with the vehicle can be used to charge the vehicle. For the use of charging equipment, refer to its instruction manual or follow the instructions.
- Specification of equipment: 220V AC 50Hz 32A
- Single-phase AC charging box: The equipment consists of charging box, charging plug and connection cable. For information about the circuit breaker and emergency stop switch, refer to the charging box manual.



## Single-phase AC charging pile

- Public single-phase AC charging pile can be used to charge the vehicle. As some charging piles are not equipped with charging plugs, an AC charging connector should be prepared.
- Specifications of equipment: 220V AC 50Hz 32A or 220V AC 50Hz 16A

- AC connection device(if any): This device consists of power supply plug, charging plug, plug/charging plug protection cover, and connection cable in line with the requirements of the national standard, referred to as seven to seven ("7-pin to 7-pin" for short) . The power supply plug is connected to the charging pile power supply socket, and the charging plug is connected to the vehicle charging port.



### **WARM TIP**

- During use of the 7-pin to 7-pin equipment (if any), to avoid reverse connection, pay attention to the tags on the power supply plug and the charging plug.
- If power supply resumes after outage of the external power grid for a short time, the BYD charging equipment will re-start charging automatically and no re-connection of the charging equipment is required.
- The equipment must be well grounded. If the charging equipment is faulted or damaged, the grounding wire will discharge in a circuit with the minimum impedance, so that the risk of electric shock will be reduced.

### **CAUTION**

- Pay attention to the parking position of the vehicle before charging to ensure that the charging cable would not be straightened during charging.
- To end charging before the vehicle is fully charged, please set the charging equipment to end charging in advance; do not cut off the power with load as much as possible.
- Refer to the charging instructions for specific charging precautions.


### **WARNING**

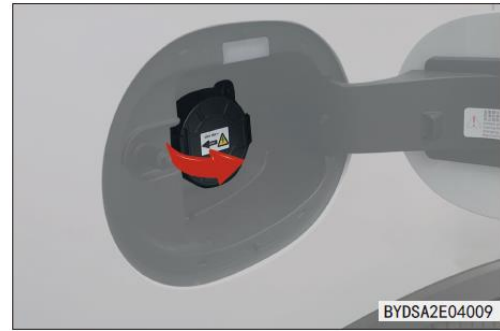
- Refer to the charging instructions for specific charging safety warnings.

## **2. Guidance on charging operation**

AC charging can be performed by connecting the vehicle to an AC charging pile with the 7-pin to 7-pin equipment or connecting the vehicle to an AC charging pile/box with a charging plug of the AC charging pile/box

**Instant charging method:**

- Unlock the charging port cap, open the charging port cap and charging port protection cover:
    - Unlock the charging port cap, open the charging port cap and charging port protection cover with reference to the AC charging with household portable equipment.
  - Connecting power supply port:
    - If the charging box delivered with the vehicle is used to charge the vehicle, this step can be omitted;
    - If an AC charging pile equipped with a charging plug is used to charge the vehicle, this step can be omitted;
    - If a single-phase AC charging pile not equipped with a charging plug is used to charge the vehicle, the 7-pin to 7-pin equipment should be used. To use the equipment, connect the power supply plug to the power supply socket on the charging pile.
  - Connecting vehicle charging port:
    - Connect the charging plug of the charging equipment to the charging port of the vehicle and lock it securely.
  - Charging setting:
    - For the single-phase AC charging box delivered with the vehicle or public AC charging pile without setting options, this step can be omitted;
    - For public AC charging pile/box with setting options, to use it, swipe your card or scan the QR code on it. For specific operation, refer to the charging pile/box instructions.
  - The charging connection indicator  on the combination instrument will illuminate.
  - In the charging process, relevant charging parameters and charging animation will be displayed on the combination instrument.
    - In this condition, preset charging can be set via the instrument. Refer to setting procedure of preset charging function on the combination instrument for details.
- 3. Guidance on stopping charging**
- End charging:
    - The charging equipment can be set to end charging in advance or end charging automatically when the vehicle is fully charged.
  - Disconnect the charging port connection:
    - Disconnect the charging port with reference to AC charging with household portable equipment.
  - Disconnect the power supply plug:



- If the 7-pin to 7-pin equipment is used for charging, it is recommended to pull out the charging plug before pulling out the power supply plug;
- If the charging box delivered with the vehicle is used to charge the vehicle, this step can be omitted;
- If an AC charging pile equipped with a charging plug is used to charge the vehicle, this step can be omitted.
- Close the A/C charging port protection cover and charging port cap (with reference to AC charging with household portable equipment).
- Sort and properly place the charging equipment.
  - If the AC charging pile/box is used for charging, place the charging plug in the designated position of the charging pile/box;
  - If the 7-pin to 7-pin equipment is used for charging, sort and place it properly.

### **⚠ WARNING**

- Do not let the 7-pin to 7-pin equipment fall from height. Do not move the charging equipment by directly pulling the cable. Handle it gently and put it at a cool and shaded place after use.

## **DC charging with charger**

### **1. Equipment description**

- DC chargers in public places can be used to charge the vehicle. Generally, DC chargers are installed at designated charging stations.
- Specifications of equipment: Please refer to relevant description of the charger.
- Charging time: Please refer to the charging time prompting message displayed on the combination instrument.


### **2. Guidance on charging operation**

DC charging can be performed by connecting the vehicle to a DC charger through the charging plug of the DC charger.

Instant charging method:

- Before charging, make sure the vehicle power is in the OFF mode.
- Unlock the vehicle, open the charging port cap and charging port protection cover:
  - Unlock the charging port cap, open the charging port cap and charging port protection cover with reference to the AC charging with household portable equipment.



- Connecting vehicle charging port:
  - Connect the charging plug of the charger to the charging port of the vehicle and lock it securely.
- Follow the steps of charging equipment instructions to start charging.
- The charging connection indicator  on the combination instrument will illuminate.
- In the charging process, relevant charging parameters and charging animation will be displayed on the combination instrument.

### 3. Guidance on stopping charging

- End charging:
  - The charger will automatically end charging if the charger is set to end charging in advance or charging is completed.
- Disconnect the charging port connection:
  - Press the mechanical lock button on the DC charging plug and pull out the charging plug.
- After the DC charging through charging pile is completed, sort the charging equipment and place it properly, and place the charging plug at the designated position of the charger.
- Close the DC charging port protection cover and the charging port cap on the vehicle.

#### **⚠ CAUTION**

- If the charging plug cannot be pulled out after charging, please contact the customer service personnel in charge of the charger in time.
- Refer to the charging instructions for specific charging precautions.

#### **⚠ WARNING**

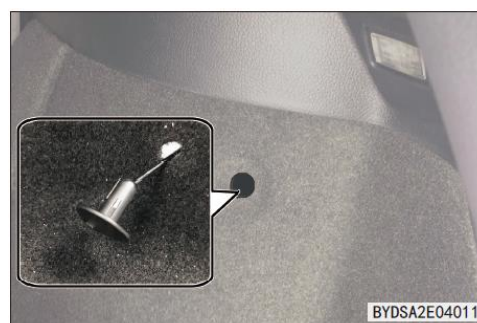
- Refer to the charging instructions for specific charging safety warnings.

### Emergency unlocking of charging port

When the electric lock fails and the charging plug cannot be pulled out, you can perform manual emergency unlocking and try to pull out the charging plug.

#### AC charging port

Open the trunk lid Pull out the armrest frame on the right side of the trunk to unlock.



**⚠ WARNING**

- The mushroom head for emergency unlocking can only be used by ability under emergency conditions
- The emergency unlocking of the mushroom head is relatively tight when it is buckled on the side guard, and it needs to be picked out with a key or other thin metal pieces; otherwise, it may cause damage to the nails when pulling with your fingernails.
- When using the emergency pull lock, the pull direction shall be perpendicular to the side guard plate as much as possible, and the emergency pull lock shall be plugged back after opening the charging port cover, so as not to affect the closing of the charging port cover due to the locking head of the charging port cover does not return due to the locking stagnation of the pull lock.
- When using the emergency pull lock of the charging cover, do not pull it vigorously in an instant. When there is a large pulling resistance after pulling, it means that it has been fully unlocked .At this time, the charging port cover should have been opened.

**Driving range display mode setting (if any)**

To provide customers with better driving experience, this vehicle has “driving range display mode setting” function. This function is in the standard mode by default. To activate the dynamic mode, follow the steps below:

- Tap "Driving Assist" on the multimedia screen.
- Set the "Driving range in EV mode" to "Dynamic".
  - Standard mode: The driving range is displayed based on the test results in comprehensive conditions.
  - Dynamic mode: The driving range is displayed based on the battery SOC and current average energy consumption.

**📌 WARM TIP**

- The driving range displayed after each full charge will vary with the computation based on the energy consumption of the previous trip.
- The driving range will increase or decrease depending on A/C or heater ON/OFF, driving mode (SPORT and ECO) and other accessories ON/OFF.

## Intelligent Charging Function

When the start Fe battery manager detects a low start Fe battery, the start Fe battery may be charged from power battery.

### **WARM TIP**

- The intelligent charging function may start automatically in the long-time parking process of the vehicle. This is a normal phenomenon and not a vehicle fault.
- The electric energy for intelligent charging is supplied from the power battery pack, so the SOC may drop when the vehicle intelligent charging function is activated, which is normal and not a vehicle fault.

## Discharging equipment (if any)

This vehicle has exterior discharging function (if any). Exterior discharging can be further divided into vehicle-to-load discharging (VTOL).

### **WARM TIP**

- Use this function when the SOC value of the discharging vehicle is high as much as possible.
- When the SOC of the vehicle battery is low, the exterior discharging function will be limited.
- With the power in the OFF mode, if VTOL connection device is connected for a long time without output, the static power consumption of the vehicle increases. It is recommended that discharging plug/charging plug be disconnected when the equipment is not in use.

### **CAUTION**

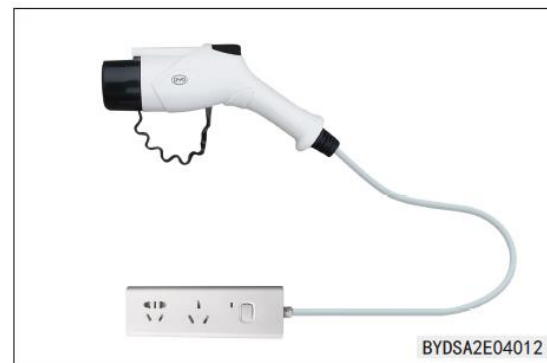
- For the precautions on the use of the discharging connection device, refer to Item 3 "precautions for charging equipment" in the section about precautions for charging.
- Before discharging, confirm the vehicle battery SOC and estimate the remaining driving range.
- Before VTOL discharging, make sure that the load is turned off.

**⚠ WARNING**

- Do not touch the discharging socket, interior discharging socket or metal terminal of the vehicle charging port during discharging.
- Stop discharging immediately if there is any abnormality such as odor or smoking during the discharge.
- The discharging safety warnings are the same as charging safety warnings (refer to the charging instructions).
- Please store this product in a cool and dry place when it is not in use.
- During discharging, do not place the equipment in the trunk, under the vehicle nose, or near the tyre.
- Do not drop or tread on the product or allow vehicle to run over it during use.
- Do not let the equipment fall from height. Do not move the charging equipment by directly pulling the cable. Handle it gently.
- Do not use the charging equipment in the cases of softening of the socket wire, wearing of discharging plug cable, cracking of insulation layer, or any other damage conditions.
- Do not use the equipment when the discharging plug or power supply socket is broken, cracked or showing any surface damage conditions.

**VTOL exterior discharging method****1. Equipment description:**

- Vehicle-to-load discharging (VTOL) connection equipment: The equipment consists of discharging plug, power socket, cable and discharging plug protection cover.
- Specifications of equipment: rated 220V 50Hz 16A; exterior discharging is performed through VTOL connection, with a maximum discharging power of 3.3kW.

**2. Guidance on discharging operation**

- Before discharging, make sure the vehicle power is in the OFF mode.

- Unlock the charging port cap switch, open the charging port cap and charging port protection cover.
  - Unlock the charging port cap, open the charging port cap and charging port protection cover with reference to the AC charging with household portable equipment.
- Inspection before discharging:
  - Make sure that the discharging vehicle has SOC not below 15%;
  - Make sure that the VTOL connection equipment has no abnormalities such as cracked housing, worn cable, rusted plug or foreign object.
  - Make sure that there is no water or foreign object in the charging port, and the metal terminal is not damaged or affected by rusting or corrosion.
  - Do not charge if the above condition exists; otherwise, it may cause short circuit or electric shock, resulting in personal injury.

- Instrument setting:
  - Press the [Discharge] switch on the switch set in the discharging vehicle, set the discharge mode to [VTOL] on the instrument.



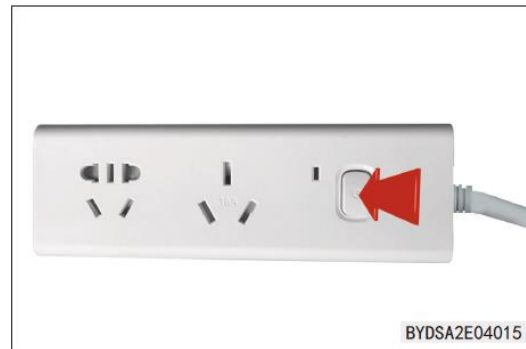
- Connecting the discharging connection equipment:
  - Connect the VTOL discharging plug to the charging port and lock it securely within 10 min.



### **WARM TIP**

- Do not forcibly insert the discharging plug when the electric lock is locked.

- Press the button on the discharging socket and wait several seconds for the socket indicator to illuminate (red), indicating that the socket can be used.



■ Discharging started:

- After the discharging equipment is connected, start discharging of the vehicle. At the moment, discharging information will be displayed on the instrument.

**3. Guidance on stop discharging**

■ End discharging:

- Disconnect the load, press the [discharge] switch or press and hold the [confirmation] button for 3s, the socket indicator will go out;
- In an emergency, proceed directly to the next step (not recommended).

■ Disconnecting the discharging connection equipment:

- Press the mechanical button of the discharging plug and pull the discharging plug out of the charging port.

■ Close the charging port protection cover and charging port cap (with reference to AC charging with household portable equipment).

■ Sorting equipment:

- Put the discharging equipment into the storage box in the trunk after discharging is completed.

## 4-2 Battery

### Power Battery

- The power battery is the power source of the vehicle. It can be charged with an external power source and can also be charged through energy recovery during braking or coasting of the vehicle.
- The power battery is located under the floor of the vehicle body. When driving the vehicle through a bumpy or rough road, take care to prevent the power battery from being impacted.

### Battery characteristics

- Due to the electrochemical characteristics of the power battery and for the purpose of protecting the power battery, it is normal that the vehicle performance may vary in the following conditions:
  - The energy feedback performance of the vehicle is low when the power battery SOC is high.
  - When the power battery is charged to high SOC, it will be switched to trickle charging mode, with lengthened charging time before end of charging, and the predicted time to full charge displayed by the instrument will deviate.
  - When the power battery is low, the acceleration performance of the vehicle will decrease.
  - When the power battery is low, VTOL cannot be used normally; please charge it in time.
  - At a high or low temperature, the charging and discharging capacity of the power battery will decrease, with lengthened charging time, which is normal. In this case, it is recommended to use high-power charging equipment for fast charging. When the vehicle is driven at extreme temperatures, the power performance may decrease.
  - For charging at a low temperature, the temperature control system can greatly improve the low-temperature charging capacity of the battery, for low-temperature charging guidelines, refer to the charging notes.
  - When driving at low temperature, battery heating is slow heating type. When driving for a short time, the temperature control system of the battery has no obvious effect, and it will also increase power consumption and shorten driving range. When driving for a long time, the battery itself heats up, causing the temperature to rise continuously. At this time, your vehicle battery needs less heating. In order to better enhance your driving experience, the battery temperature control system is mainly to ensure low-temperature charging performance.
  - At low temperatures, the power battery SOC will decrease. The SOC will decrease as the temperature decreases. When the vehicle is parked with high SOC and charged in a low temperature environment, its SOC may jump to 100%.

- When the power battery is normal, the driving range of the vehicle is affected by the following factors:
  - Driving habit: For example, the driving range of the vehicle driven with frequent acceleration and deceleration is shorter than that at constant speed, and the driving range of the vehicle driven at a high speed is shorter than that at a low speed.
  - Road condition: The driving range of the vehicle driven on a bumpy road or long slope is shorter than that on a flat and dry road.
  - Air temperature: The driving range of the vehicle driven in a low temperature environment is shorter than that in a normal temperature environment.
  - Use of electrical equipment: The driving range of the vehicle driven with A/C turned on is shorter than that with the A/C turned off.
  - The power battery SOC decreases with operation of the vehicle.

### Suggestions for battery use

- It is suggested that the vehicle be operated at an ambient temperature of -10~40°C. When the battery is low, please charge it in time to ensure sufficient driving range and good acceleration performance.
- Do not store the vehicle in an environment with temperature above 40°C for a long time (more than 15 days); otherwise, the service life of the power battery will be shortened.
- If the vehicle is to be stored for a long time, it can be placed in an area with high temperature such as underground garage or warm garage to reduce the loss of battery heat and ensure vehicle operation performance.
- When driving the vehicle, avoid frequent rapid acceleration and deceleration, drive on a flat and dry road, turn off high-power electrical equipment such as A/C or adjust the set temperature of the A/C if necessary to reduce the electric energy consumed by high-power electrical equipment and increase the driving range.
- Low-power charging will extend the service life of the power battery.
- When the vehicle is operated for the first time or after being parked for a long time, the SOC displayed on the instrument may deviate. In this case, it is recommended that the vehicle be fully charged.
- To keep the power battery be in its best service state, fully charge the power battery with charging equipment at regular intervals (full charging at least once a week is recommended).
- In extreme conditions (such as continuous rapid acceleration and deceleration), if the temperature of the power battery is too high, the discharging capacity of the power battery will gradually decrease, which is normal. If the battery temperature continues rising, the fault indicator will illuminate on the instrument. In this case, it is recommended to contact a BYD authorised service provider.
- When the battery SOC increases or decreases abnormally, it is recommended to contact a BYD authorised service provider for inspection.

**⚠ CAUTION**

- To ensure safety of the power battery, park the vehicle away from flammable and explosive materials, fire sources and hazardous chemicals.
- The power battery SOC decreases with operation of the vehicle.
- Park the vehicle away from heat sources and avoid prolonged exposure to sunlight; otherwise, the service life of the power battery will be shortened.
- When the vehicle is not to be operated for a long time (more than 7 days), it is recommended to keep the power battery with 40%~60% SOC to prolong the service life of the power battery. When the vehicle is not to be operated for more than 3 months, the power battery must be fully charged and then discharge to 40%~60% SOC every 3 months; otherwise, it may cause over-discharge of the power battery, reduce the battery performance or even damage the battery. Any vehicle fault or damage so caused will not be covered by quality warranty.

**⚠ WARNING**

In the event of an emergency or dangerous accident, please pay attention to the following warnings:

- To avoid personal injury, do not touch the power battery directly.
- In this case, contact a BYD authorised service provider as soon as possible.
- If the power battery is damaged and the battery liquid is found to be leaking, please do not touch the liquid. If this liquid comes into contact with your skin or eyes, immediately flush with water and seek medical attention.
- If the vehicle catches fire, use special fire extinguishers rather than water-based fire extinguishers to put out fire.

**Power battery recycling**

When the new energy vehicle meets the scrapping requirements, it is recommended that the following procedure be observed:

1. Send the vehicle to a BYD authorised recycling service provider, where BYD will evaluate the residual value of its power batteries.
2. Scrap the vehicle evaluated to an enterprise engaged in vehicle recycling and disassembling to remove its power batteries.
3. Hand over the used power batteries removed to the BYD authorised recycling service provider for cash.

**⚠ WARNING**

- Any new energy vehicle owner has the responsibility and obligation to hand over used power batteries to a designated recycling service provider. Anyone who hands over used power batteries to any other organization or individual or removes and disassembles any power batteries privately shall be liable for environment pollution or safety accident so caused.

**Start Fe Battery**

The start Fe battery is located inside the front compartment.



- It can work in the following modes: "Normal", "Sleep", "Extra-low power consumption", and "Low voltage protection". The purpose is to protect the battery cell from damage. If the vehicle system is intact, the above-mentioned modes can be switched automatically, without affecting your operation of the vehicle.
- To prevent the start Fe battery from getting into the state of insufficient power, when the conditions (front compartment closed, "OFF" mode, discharging allowed for power battery and start Fe battery power less than the design value) are met, the "intelligent charging" function will be triggered.
- When the intelligent charging function is triggered, the power battery will charge the start Fe battery. Therefore, when the vehicle is restarted after parking, the SOC or driving range in EC mode displayed on the instrument will decrease, which is normal.
- If "intelligent charging" fails, the vehicle may be powered off from the start Fe battery. If the vehicle is found lacking in electric power, you may try the left front door micro-switch to activate the start Fe battery and immediately start the vehicle in the OK mode and charge the start Fe battery for more than 1h (recommended).

**WARM TIP**

- As the start Fe battery contains relay, it is normal to hear a few "clicking" sounds from relay closing when the battery is operating.
- The start Fe battery should be charged with a special tool; therefore, do not remove it for charging privately.
- Do not jump start another fuel powered vehicle with the starter Fe battery; otherwise, the starter Fe battery may be damaged.
- The start Fe battery is a LV platform based start Fe battery with characteristics different from a common lead-acid battery. For details, please read instructions on using the start Fe battery in this manual.
- The start Fe battery is equipped with a power manager. Therefore, do not disassemble or repair the start Fe battery privately to avoid damage to the battery or injury to personnel.
- The start Fe battery needs to communicate with the vehicle so as to operate properly. Therefore, be sure to connect the connector and wiring harness correctly.

### 4-3 Main Points of Application

#### Running-in Period

- Immediately check the vehicle if the electric powertrain is hard to start or often stops running.
- Stop and check the vehicle if the electric powertrain produces any abnormal noise.
- Stop and check the vehicle if the electric powertrain is found with serious leakage of coolant and lubricating oil.
- The electric powertrain needs running-in. It is recommended to take running-in test in the first 2,000 km of mileage in ECO mode. The service life of the vehicle may be extended effectively by driving steadily, avoiding high-speed driving and observing the simply main points as follows:
  - Avoid depressing the accelerator pedal to the floor during starting and driving.
  - Avoid overspeed driving when driving the vehicle.
  - Avoid emergency braking within the first 300 km of mileage.
  - Do not drive the vehicle speedily or slowly at a constant speed for a long time.

#### Trailer Towing

- As this vehicle is mainly designed to carry passengers. For safety of your own and others, do not overload the vehicle or use it to tow other vehicles.
- Towing trailer with the vehicle will have adverse effects in terms of control, performance, braking, durability, economic driving, electric energy consumption and other aspects.
- Driving safety and comfort depend entirely on the proper use of equipment and careful driving habits.
- BYD Auto will not provide warranties for damage or faults caused by towing.

#### Ways to save electricity and extend the service life of the vehicle

- The electric energy saving method is simple, easy and conducive to extending the service life of the vehicle.
- The following are some main points for saving electricity and maintenance & repair cost:

**1. Feedback setting:**

- The vehicle is provided with energy recovery function and the energy recovery intensity can be set in the vehicle setting interface of the multimedia system. When the energy recovery mode is set to a high intensity, the energy recovered during braking and slipping of the vehicle will be increased. Please set according to your driving habits.

**2. Constant speed:**

- Driving the vehicle at a constant speed helps to save electric energy, while rapid acceleration, taking sharp turns and emergency brake will consume more electric energy.
- Keep a constant speed in driving as far as possible depending on the traffic condition, as each acceleration of the vehicle will consume additional electric energy.
- Under appropriate driving conditions, using cruise control (if any) can save more electric energy.
- Accelerate the vehicle slowly and steadily. Avoid quick starting, abrupt acceleration and abrupt deceleration.
- Maintain a stable speed and follow the traffic lights in driving, or drive on a thoroughfare without traffic lights, with an appropriate distance kept from vehicles ahead to avoid emergency brake, which will also reduce the wear of the brake.
- Avoid driving on roads with traffic congestion as far as possible.
- Maintain an appropriate speed when driving on an expressway. Higher vehicle speed will result in consumption of more electric energy. Keeping the speed in the range of economic hourly speed can save electric energy.

**3. Load reduction:**

- The operation of A/C will increase additional load for the motor, consuming more electric energy. Turn off the A/C to reduce power consumption. When the exterior air temperature is suitable, use the external air circulation mode as the air intake mode.
- Avoid loading unnecessary weights onto the vehicle. Excessive weights will increase the load of the vehicle, resulting in the consumption of more energy.

**4. Others:**

- Keep correct tyre pressure. Insufficient tyre pressure will result in wear of tyres and waste of electric energy.
- Keep the front wheels properly aligned, avoid causing collision with kerbstones and drive slowly on bumpy roads. Misalignment of front wheels will not only cause too fast wear of tyres, but also lead to addition of load to the electric powertrain, resulting in increased electric energy consumption.
- Keep the chassis clean and free of mud and other foreign objects to reduce the weight of the vehicle body and prevent corrosion.

**WARM TIP**

- Do not coast in neutral when driving the vehicle.

**Carrying Luggage**

The vehicle is provided with multiple convenient storing spaces, so that you can safely carry your luggage. Both overloading and improper loading will affect maneuverability and stability of the vehicle and may result in collision accidents. Be sure to read the following pages before carrying luggage.

**WARNING**

- When loading luggage in the passenger area:
  - Please do not pile up all kinds of children's toys in the vehicle i, which will leave hidden dangers.
  - Make sure that any object placed on the floor behind front seats will not roll under the seats, so as to avoid affecting the driver's ability to control the pedal or the normal adjustment of front seats.
  - Do not pile up any object beyond front backrests.
  - Make sure that the glove box is always closed during driving. If the glove box is open, it may hurt the front passenger's knees in case of collision or emergency stop.
  - Do not carry strong magnetic articles with you to avoid interference with the normal operation of the vehicle.

**Carrying luggage in the trunk**

- Place all luggage evenly on the trunk floor and place the heaviest one at the foremost position as far as possible.
- Fix objects with a rope or chain, so that they will not move during driving. Do not pile up objects to a height higher than the front seat backrests.
- If you are prevented from closing the trunk lid by carrying large items, the exhaust gas will enter the passenger area. In order to avoid carbon monoxide poisoning, please refer to the relevant instructions on the danger of carbon monoxide poisoning in this manual.

## Fire Prevention

**To prevent vehicle fire timely and effectively, observe the following precautions:**

- Do not keep pressing the accelerator pedal to make the drive motor run at high speed.
- Do not place any flammables and explosives in the vehicle;
  - In the hot summer, the inside temperature of a vehicle parked in the sunshine may be as high as 60~70°C or above. It is easily to cause fire or even explosion if any flammables and explosives such as lighter, detergent and perfume are placed in the vehicle.
- Make sure that the cigarette end is completely extinguished after smoking;
  - Smoking is not only harmful to your health, it may also cause fire. If the cigarette butt is not completely extinguished, it may cause a fire.
- It is recommended to drive the vehicle to a BYD authorised service provider for inspection at regular intervals;
  - Check the vehicle lines at regular intervals to find out whether the connectors, insulation and fixing positions of electric appliances and wiring harnesses are normal. Any problem found should be solved in time.
- Do not refit the vehicle lines and install additional electrical appliances;
  - Installation of other electric appliances (such as high-power audio equipment and xenon headlight) will cause overload of the line, which will result in heating of wiring harness or even fire. Improper modification of electrical appliances and circuits will lead to contact resistance and abnormal heating, which will lead to fire.
  - Using any fuse beyond the rated specifications of electric appliances or replacing the fuse with other metal wires is strictly prohibited.
- Correctly select parking positions;
  - During parking of vehicles, especially in summer, it is necessary to pay attention to whether there are inflammables under the vehicle, such as hay, dead branches, leaves or straw. If there are inflammables under the vehicle, it is likely to cause a fire.
  - In the process of driving, vehicles should also try to avoid road sections piled with flammable substances such as dry leaves, wheat stalks, weeds, etc., or stop immediately after passing through such road sections to check whether flammable substances are hung on the underbody, etc. Avoid stopping the vehicle at a place with sun exposure as far as possible.
- Always keep a portable fire extinguisher in the vehicle and master its application method;
  - To ensure vehicle safety, a fire extinguisher should be provided in the vehicle and be checked and replaced at regular intervals. In addition, the application method of the fire extinguisher should be mastered to avoid helplessness and dismay in the case of any accident.
- Should the vehicle catch fire, calmly take effective measures to deal with the fire to minimize losses;

- Fires generally have precursors such as abnormal sound body, odor, etc. Once abnormal situation is found, immediately stop the vehicle in a lee and take out the on-board fire extinguisher to put out the fire;
- Call 119 for firefighting service in time, and contact your insurer at the same time for on-site handling.

### **WARM TIP**

- It is recommended that commercial insurances (such as spontaneous combustion loss insurance and robbery and theft insurance) be maintained to prevent any accidental loss of the vehicle.

## Vehicle Wading

- The depth of the accumulated water must be checked before entering the section of accumulated water. The height of the accumulated water must not exceed the lower edge of the vehicle body.



- If you need to wading, turn off the AC before starting the vehicle, hang the gearshift lever in low gear, then lightly press the accelerator pedal without loosening your foot, and pass through the stagnant road at a stable and slow speed.
- Don't park the vehicle in water, and never reverse or turn off the drive motor in the water.
- After successfully wading through the water accumulation area, you must gently step on the brake pedal several times to evaporate the water on the brake disc in order to restore normal braking performance as soon as possible.

### **WARNING**

- If there is water or mud on the surface of the brake disc, the brake response will be delayed, which will prolong the braking distance. Be careful to prevent accidents.
- Avoid emergency braking as much as possible after driving through a section of water.
- If the vehicle is driving on a low-lying road. Please be careful not to get water into the drive motor, otherwise the drive motor will be seriously damaged. The resulting vehicle breakdown and damage will no longer be warranted.
- After the vehicle is driven over a section of water, automotive components such as the transmission system, driving system, and electrical system may also be severely damaged. The resulting vehicle failure and damage will not be covered by the warranty.

## 4-4 Starting and Driving

### Starting the Vehicle

#### Preparations before driving

- Check the surrounding situation before getting into vehicle.
- Adjust the seat position, the backrest angle, the seat cushion height, and the height of head protective device, and adjust the angle and height of steering wheel.
- Adjust the interior rearview mirror and exterior rearview mirrors of the vehicle.
- Make sure all doors are closed.
- Fasten the seat belt.

#### Safety inspections before driving

##### General exterior inspections of the vehicle

- Tyres: check the tyre pressure and carefully check the tyre surface for notches, damage and foreign particles and check the tyres for abnormality and excessive wear.
- Wheel nuts: make sure all nuts are present and tightly fitted.
- Lights: confirm that all headlights, stop lights, clearance lights, and turn signal lights and other lights work normally. Check the light density of headlights.

##### General interior inspections of the vehicle

- Seat belts: check whether all seat belts can be fastened firmly and confirm that no seat belt is worn or scratched.
- Combination instrument: especially confirm that the maintenance prompt indicator, the instrument light and the defroster work normally.
- Brake pedal: confirm that the brake pedal has enough movement space.

### **General interior inspections of front compartment**

- Backup fuses: confirm that all types of fuses with various rated charges in the fuse box have been provided.
- Coolant level: confirm that the coolant level is normal.
- Start Fe battery and cables: check whether the connectors are corroded or loose and whether the start Fe battery shell has any cracks.

### **Vehicle starting method**

#### **Normal vehicle starting method:**

- Securely apply parking brake.
- Turn off all unnecessary vehicle lights and accessories.
- Place the gearshift lever at "P" or "N" position.
- Carry the correct intelligent key on board.
- Depress the brake pedal and press the START/STOP button.
- When the OK indicator on the instrument illuminates, it indicates that the vehicle is ready to be driven.

#### **Circumstances in which the vehicle cannot be started:**

- The vehicle cannot be started in the following circumstances:
  - When the power button is pressed, if the intelligent key system warning light turns on, the buzzer in the vehicle buzzes, and the message of "Key is not detected" is displayed on the information display screen in the middle of the combination instrument, it indicates that the electronic intelligent key is not in the vehicle or cannot be detected due to interference.
  - The vehicle may also fail to be started even if the electronic intelligent key is in the vehicle (however, on the floor, or in the cup holder, trunk or right glove box).

#### **Emergency vehicle starting method:**

- Securely apply parking brake.
- Turn off all unnecessary vehicle lights and accessories.
- Place the gearshift lever at "P" or "N" position.

- Set the vehicle power to OFF mode;
- Confirm the electronic intelligent key is in the vehicle.
- Press and hold the START/STOP button for more than 15s to start the vehicle.

**WARM TIP**

- Do not touch the START/STOP button when the vehicle is running normally.

**General inspections after starting the vehicle**

- Combination instrument: confirm that the maintenance prompt indicator and the speedometer work normally.
- Brake: confirm in a safe place that the brake will not pull to either side when brake is applied.
- Other abnormal phenomena: check if there is any loose part, leakage or abnormal noise.

**Remote Control Driving Function (if any)**

See the multimedia chapter for the detailed operation of control driving function.

**Before remote control driving**

1. Check situation around the vehicle.
2. Make sure that there are no devices on the steering wheel that prevent the steering wheel from turning freely.
3. Check that the vehicle is started normally and no fault indicators illuminate on the instrument.
4. Ask all passengers to get off the vehicle.

## Protection mode

When the instrument or multimedia shows the message "For your safety, remote control driving function is temporarily unavailable", the cause may be the road condition not suitable for remote control driving or the system entry into the protection mode due to over temperature. In this case, do not continue to operate remote control driving.

## Remote control start

- Press and hold the "REMOTE START/STOP" button on the electronic intelligent key for 2s to start the vehicle. After the vehicle is started successfully, the turn signals will flash 3 times;
- After successful starting, pressing and holding the "REMOTE START/STOP" button on the electronic intelligent key for 2s will stop the motor and power OFF the vehicle; at the moment, the turn signals will flash twice.



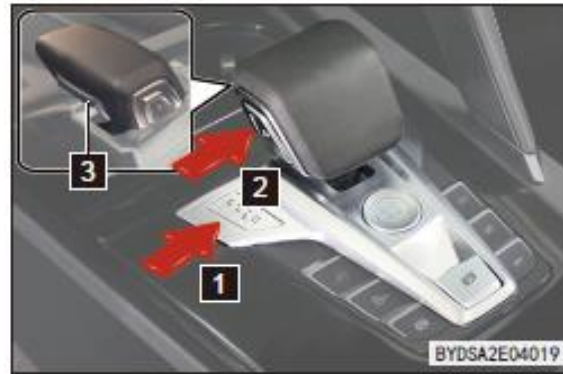
## ⚠ CAUTION

- Be sure to observe the local road traffic laws and regulations of the country for using the remote control driving function.
- Make sure that the motor is fault free and no device will obstruct the turning of the steering wheel before use.
- Make sure that there are no pedestrians or obstacles around the vehicle during use. Do not use the remote control driving function when there are pedestrians around the vehicle or the road condition is complex.
- Do not allow any juvenile or person without a driving license to use the remote control driving function.
- Do not use remote control driving on roads with slope, snow, accumulated water and potholes.
- Do not use the remote control driving function in the vehicle.
- Consequences arising from failure to comply with the requirements of this manual in operation may not be covered by insurance companies.
- Do not use the remote control driving function after taking alcohol.

## Shifting operation mechanism Gearshift Actuator

Shift positions of the gearshift actuator are marked on the shift lever, as shown in the right figure.

- Shift positions of the Shifting operation mechanism are marked on the shift lever, as shown in arrow **1** .
- "P": parking position. Parking can be achieved by pressing the button **2** . The vehicle should be set at this position during shutting down or starting of the motor. By depressing the brake pedal, you may shift the gear from "P" to another position.



### ⚠ CAUTION

- When shifting out of "P" position and into "R" position, in order to ensure safety, first press the brake pedal and press the "UNLOCK" button **3** on the shift handle.
- To prevent damaging the transmission, the "P" position button must be pressed after the vehicle is stopped steadily.

- "R": reverse position. Shift to R position only after the vehicle is parked steadily.
- "N": neutral position. Shift to N position for stopping the vehicle for a short time. For whatever reasons, the vehicle must be set in "P" position if the vehicle is to be parked for a long time.
- "D": drive position. Shift to D position to normally drive the vehicle.
- After successful shifting, release the gearshift lever, and the gearshift lever will automatically return to the central position.

### ⚠ WARNING

- If the vehicle moves after the motor is shut down and the gearshift lever has been placed to "N" position, the transmission will be seriously damaged due to the lack of lubrication.
- If the motor runs and the gearshift lever has been placed to "R" or "D" position, be sure to depress the brake pedal to stop the vehicle, because the transmission can transfer power, resulting in slow moving forward of the vehicle, even if under the idle speed condition;
- Be sure not to depress the accelerator pedal when shifting the gear during vehicle running, so as to prevent the occurrence of any accident.
- Be sure not to push the gearshift lever to "R" position or press the "P" button during vehicle running, so as to prevent the occurrence of any accident.

### ⚠ WARNING(CONTINUED)

- Do not drive the vehicle downhill when the gearshift lever is placed in "N" or "P" position, even if the motor is not running.
- To prevent unintentional movement of the vehicle, pull up the parking brake and press the "P" position button after the vehicle is stopped steadily.

### Electric parking brake(EPB)

Make sure that the EPB switch is pulled up when parking and leaving the vehicle.



### Applying the EPB manually

Pull up the EPB switch. The EPB will exert proper parking force and the indicator (P) on the instrument will flash first before staying on. Staying on of this indicator indicates that the EPB has been applied, and the message of "EPB activated" will be displayed.

### ⚠ CAUTION

- (P) Flashing of the indicator indicates that the EPB is in service. If the vehicle is on a hill at this moment, do not release the brake pedal, to prevent causing the risk of vehicle sliding. Release the brake pedal after the (P) stays on.

### Applying the EPB automatically

#### Applying the EPB automatically when power off

- When the power is switched from ON to OFF mode, the EPB will be applied automatically, the indicator (P) on the instrument will illuminate.

### Applying the EPB automatically in “P” position

- When the vehicle speed is less than 3 km/h, the gearshift lever is in D or R position and the door is being opened, the gearshift will shift to P position and the EPB will be applied automatically.

#### ⚠ CAUTION

- If the EPB switch is pressed and the vehicle is powered off at the same time, the EPB will not be applied automatically. This can be used for trailer or cart needs when the vehicle breaks down.
- Do not release the brake pedal early in the process, especially when the vehicle is to be parked on a slope; otherwise, there will be risk of vehicle sliding to slight extent.
- This function is designed to avoid adverse consequences caused by a driver leaving the vehicle after powering it off without applying parking brake, and to improve the vehicle safety. Excessive reliance on or frequent use of the function is not recommended.

### Releasing the EPB manually

When the vehicle is started and the vehicle is in a gear position other than P (parking) position, depress and keep holding the brake pedal and press the EPB switch until the indicator on the instrument is off, which indicates that the EPB has been released, and then the instrument will display the message of "EPB deactivated".

#### ⚠ CAUTION

- P position refers to the parking position. When the vehicle is in P position, it is in a stable parking state. EPB is a main parking device of the vehicle. To ensure the vehicle's parking safety, releasing the EPB with the EPB switch can only be achieved when the vehicle is in a gear position other than P (parking) position.

### Releasing the EPB automatically when the vehicle is starting to move

- With the vehicle parked on a flat road or gentle slope (gradient less than 10°), start the vehicle, depress and keep holding the brake pedal, and shift to D position or R position from P position or N position, and then the EPB will be released automatically, the indicator will go out, and the instrument will display the message of "EPB deactivated".

**⚠ CAUTION**

- Please follow the correct shift instructions and keep depressing the brake pedal throughout the shifting process. Do not release the brake pedal until the gear position shown on the instrument is the target one.
- Within a few seconds after the vehicle is started, the EPB system is in the process of power-on self-test and will not respond to all functions during the period.

- When the vehicle has been started and the gearshift lever is in D or R position, manually pull up the EPB and slowly depress the accelerator pedal to a certain depth, and then the EPB will be released automatically, the indicator (P) will go out, and the instrument will display the message of "EPB deactivated".

**Failure release function**


When it is failed to manually release the EPB, keep pressing the EPB switch for more than 2s. If the EPB can be released, drive to the nearest repair shop as soon as possible to check the switching signal of brake pedal and the relevant parts and lines. If the EPB cannot be released after doing so, immediately contact a BYD authorised service provider.

**Emergency braking function when the brake pedal fails**

CDP (controlled deceleration parking) function may also be activated in case of brake blocking or failure when the ESP system works normally in the vehicle traveling process. The braking deceleration will be 0.4g if only the EPB is pulled up and will be 0.8g if the EPB is pulled up and the brake pedal is depressed at the same time. Avoid forcible braking by using the EPB. The emergency brake function can be activated only in emergency cases, such as failure of service brake and blocking of brake pedal.

**EPB system indicator**

- If the EPB is in pull-up state when the vehicle is powered on, the indicator (P) on the instrument will stay on.
- If the EPB is in pull-up state when the vehicle is powered OFF, the indicator (P) on the instrument will illuminate and then go out a few seconds later.

- If the EPB system performs self-inspection when the vehicle is powered up, the indicator  on the instrument will illuminate and then go out a few seconds later. If the indicator does not go out, it indicates that there may be a failure in the EPB system. In this case, immediately contact a BYD authorised service provider.

### Working sound of EPB

- When pulling up or releasing the EPB, you will hear a motor running sound from the EPB system.
- If any burning smell is smelt or any abnormal noise is heard after using the emergency brake function, it is recommended to immediately contact a BYD authorised service provider.

### WARNING

- To prevent hill slipping, do not park the vehicle with the gear shift mechanism instead of EPB before leaving the vehicle, but use the EPB to park the vehicle and keep the gearshift lever in P position.
- To prevent causing a serious accident, no passenger in the vehicle is allowed to operate the EPB switch when the vehicle is running.
- When pulling up or releasing the EPB, depress the brake pedal as far as possible to prevent vehicle sliding and the blocking of gearshift lever position arising from sliding because the EPB cannot provide enough parking force.
- Avoid forcible braking by applying the EPB. The emergency brake function can be activated only in emergency cases, such as failure of service brake and blocking of brake pedal.
- As the EPB cannot go beyond the physical limit of road adhesion, the activation of emergency brake function may result in drift, sideslip or deflection of the vehicle when the vehicle passes through bends, dangerous and heavy-traffic road sections or when the vehicle is driven under severe weather conditions. Be careful and do not cause any accident.

## Automatic Vehicle Hold AVH (if any)

AVH(AUTOHOLD) is short for automatic vehicle hold which is designed to hold the vehicle in place without depressing brake pedal or pulling up the parking brake lever while keeping the drive motor running for a long time in such cases as traveling on a slope or stopping in front of traffic lights or practicing stop-and-go.

Press the automatic parking switch to turn on the automatic parking.



### **⚠ CAUTION**


- Depressing the accelerator pedal, shifting to the P position or pulling up the EPB will exit the AVH operation state and return to the AVH ready state. If the AVH ready conditions are not met, AVH will be turned off.

### AVH ready conditions (all the following conditions must be met)

The AVH switch is turned on:

- The driver's seat belt is fastened and the doors are closed;
- The main drive door is closed;
- The vehicle drive motor is started
- ESP System Failures Free.

**⚠ CAUTION**

- When the vehicle is powered up, the AVH switch is off and ready by default and the white indicator  on the combination instrument illuminates.

**AVH operation conditions**

- The AVH ready conditions are met;
- The vehicle is in drive mode and brake pedal is depressed to bring the vehicle to a stop.
- Depress the brake deeply, the AVH function is activated, and the work indicator turns green;
- After operating for 10 min, AVH will become in the ready state and the EPB will be applied automatically.

**⚠ CAUTION**

- The conditions for activating the automatic parking function must be met at the same time to activate AVH.
- AVH cannot be activated in R position.
- After the gear is switched from R to D or N, the system will intelligently enter the driving mode. At this time, the AVH function will not be activated. When the vehicle speed exceeds 10km / h, the system will exit the driving mode intelligently.

**Main Points of Driving**

- Drive slowly when driving against the wind, because it is easy to control the vehicle by doing so.
- Drive the vehicle slowly and maintain a correct angle as much as possible when driving on road with kerbstones. Avoid driving the vehicle over objects with high and sharp edges or over other obstacles on the road. Otherwise, the tyres may be seriously damaged.
- Slow down when driving on a bumpy road. Otherwise, wheels will be seriously damaged by impact.

- Washing the vehicle or driving through deep water will wet the brakes. When checking whether they are wet, first make sure the surroundings are safe, then gently press the brake pedal. If normal braking force is not felt, the brake may be wet and needs to be dried. When using the electronic parking switch, the brake pedal can be lightly pressed while driving carefully.

**WARM TIP**

- Before driving the vehicle, be sure to fully release the electrical parking brake and confirm that the parking brake indicator is off.
- Do not leave the vehicle when the motor is running.
- Keep the key with you when you leave the vehicle.
- Slow down the vehicle and switch to the low-speed position when driving down a long-distance and steep hill. Remember that frequently depressing the brake pedal will cause overheat of the brake disc, so that the brake disc cannot work normally.
- Be careful when accelerating, shifting gear or braking the vehicle on a smooth road. Quick acceleration or braking will result in slipping or deflection of the vehicle.
- Do not extend head or hands outside the window when the vehicle is running, so as to avoid the occurrence of traffic accidents that may threaten the safety of lives. Be always on alert, especially when there is any child inside the vehicle.
- Avoid driving the vehicle through the waterlogged road surface when the vehicle has to be driven on a wet road. Plenty of water entering the front compartment will cause damage to the motor power system and electrical components.

**WARNING**

- The driver shall ensure the riding safety of all passengers in the vehicle, guide them how to correctly use the vehicle functions and prevent children and other passengers operating control switches such as window switches in a wrong way.

**Main points of driving in winter**

1. Confirm that the antifreeze has the correct anti-freezing and protective effect.
  - Use the antifreeze with the same model as that of the original one for the vehicle. Select the antifreeze with the correct model as per the ambient temperature and fill the fluid into the cooling system.
  - Using improper antifreeze will damage the motor cooling system.

2 Check the conditions of battery and cables.

Cold weather will decrease the capacity of start Fe battery, so the LV battery should maintain enough power to start the vehicle in winter.

3 Prevent door locks from being frozen by ice or snow.

Spray some deicing agent or glycerin in door lock holes to prevent freezing.

4 Use the washing fluid containing anti-freeze agent.

■ This product is supplied in any BYD authorised service provide and all automotive parts stores.

■ The mixing ratio of water and anti-freeze agent should comply with the manufacturer's instructions.

### **⚠ CAUTION**

- Do not use the other substitutes as washing fluid, which may damage the painted vehicle surface.

5 Prevent ice or snow from accumulating on the lower parts of fenders.

Any ice or snow accumulated on the lower parts of fenders may cause difficulty in steering or blocking the electronic fan.

6 It is recommended to carry necessary emergency tools or articles on the vehicle according to different driving and road conditions.


It is best to place the antiskid tyre chain, window scraper, a bag of sand or salt, signal flasher, scoop and connecting cable inside the vehicle.

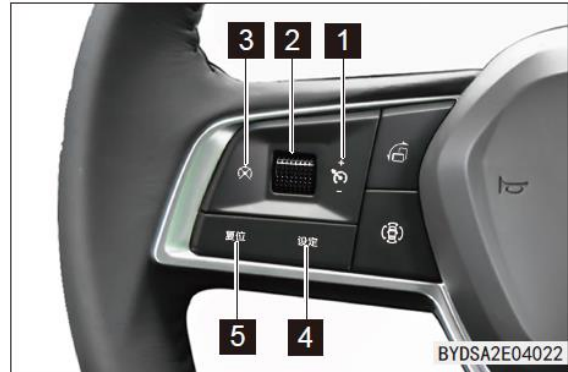
## 4-5 Driving Auxiliary Functions

### Cruise Control System (If Any)

Cruise control function allows you to drive at a preset speed higher than 40 km/h without depressing the accelerator pedal. This function may be enabled for driving on a straight and unblocked expressway.

#### Turning on/off cruise control system

- Start the vehicle, press the cruise control switch **1**, at the moment, the cruise control indicator on the combination instrument  will illuminate.
- Press the cruise control switch **1** again or power off the vehicle to turn off the cruise control system.



#### Setting

When the vehicle speed exceeds 40km / h, press the Set button **4**. The current vehicle speed is set to the target cruise speed. At this time, the SET indicator on the instrument displays and the setting is successful. The current vehicle speed is set to the target cruise speed.

#### Speed adjustment

- Scroll up the scroll wheel **2**, press briefly to increase by 2km / h; press long to increase continuously.
- Scroll down the scroll wheel **2**, press briefly to decrease by 2km / h; press long to decrease continuously. Reset

#### RESET

Press the reset button **5** to restore the stored speed before the last exit cruise.

#### Canceling currently set speed:

- Press button **3** depress the brake pedal or shift the gear out of D gear. to turn off the cruise control system. Passing acceleration

#### Passing acceleration

- In the cruise control mode, if you depress the accelerator pedal to accelerate and no other operation is performed after acceleration, the vehicle will slow down to the speed set before the acceleration; if you depress the accelerator pedal and meanwhile press set button **4**, the speed can be set and the vehicle will cruise at this speed.

**⚠ WARNING**

- Incorrect use of cruise control system may cause car accident.
- Cruise control system is only for smooth traffic (like expressway) in good weather.

**ℹ WARM TIP**

- When driving uphill or downhill, constant speed cruise may not maintain the set speed.

**Adaptive Cruise Control System (If Any)****Functions**


- The adaptive cruise control (ACC) system is designed on the basis of traditional cruise control to actively control the vehicle speed with radar detecting the relative distance and relative speed with a vehicle ahead so as to achieve the purpose of automatically follow a vehicle ahead in cruising. Depending on the condition (a vehicle is running ahead or not), the system may automatically switch between cruise control and ACC.
- You may use the cruise control lever to set the cruise speed in the range of 30~150km/h and the headway of the vehicle from a vehicle ahead to follow such vehicle at a speed in the range of 0~150km/h.

**Working states**

- ACC OFF:
  - In this state, the ACC system is off and cannot be operated in any way.
- ACC ON:
  - In this state, the ACC system is on. You may actively operate it to enter the normal working state. However, it may not enter the normal working state if some conditions are not met; in this case, you need to check the vehicle to make the vehicle meet the conditions.

- ACC standby:
  - In this state, the ACC system is ready and meets conditions for entering the normal working state. You may actively operate it to enter the normal working state.
- ACC activated:
  - In this state, the ACC system is in normal working state and enables the vehicle to cruise at the set cruise speed or stably follow a vehicle ahead by automatically adjusting the distance with such target vehicle.
- Overtaking acceleration:
  - With ACC activated, if you depress the accelerator pedal, the vehicle will respond to your acceleration operation and the ACC will be suspended until you release the accelerator pedal.
- ACC faulty:
  - In this state, the ACC system is faulty and does not respond to any operation, and the ACC fault indicator on the instrument will illuminate.

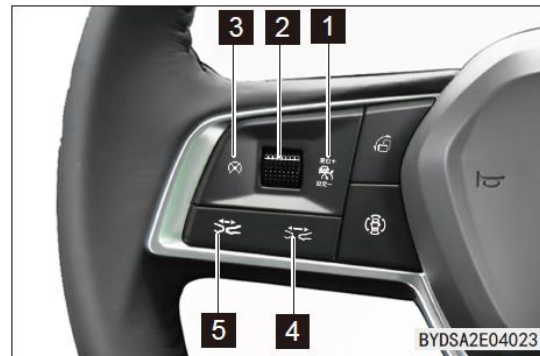
### ACC system activation conditions

- The EPB is released.
- The vehicle is in D position.
- The vehicle does not slip backward.
- The vehicle's four doors are closed.
- The driver has fastened the seat belt.
- The ESP OFF indicator  on the instrument does not illuminate.
- The HDC indicator on the instrument has not illuminate.
- The ESP system is not activated.
- The vehicle speed is equal to or less than 150km/h.
- When the speed is 0, the brake pedal is depressed, or when the vehicle speed is greater than 0, the brake pedal is not depressed.
- No vehicle network communication fault prompt is displayed on the instrument.
- Automatic emergency braking is not activated.

## Operating the cruise control lever

### ACC ON/OFF button

- Press button **1** to turn on (when the activation conditions are satisfied, the ACC system will enter the standby state) or off the ACC.



### Increase set speed / ACC reset

- Scroll wheel **2** up to restore the stored speed before the last exit Cruise before the last exit Cruise. If the cruise speed has not been stored yet, use the current speed as the target speed.

### Decreasing set speed / speed setting

- Scroll wheel **2** down, When the ACC becomes activated from the standby state, the current vehicle speed will be set as the target vehicle speed. If the current vehicle speed is lower than 30 km/h, 30 km/h will be set as the target vehicle speed. If the current speed is higher than 150 km/h, 150 km/h will be set as the target vehicle speed. When the ACC function is activated, pull the lever in this direction to increase the set speed.

### Setting vehicle speed

- When ACC function is activated, the vehicle speed can be set within the range of 30~150km/h by scroll wheel **2**. Scroll wheel **2** up/down to increase / decrease the target speed by 5km / h. In the same ignition cycle, when the cruise control is in standby state, the system can memorize the last set speed.

### Deactivating ACC

- Press button **3** or depress the brake pedal, ACC exits active and enters standby mode.

### Setting headway

- You are responsible for selecting a safe headway.
- This system can adjust your vehicle speed to be such that your vehicle maintains a proper distance from a vehicle ahead in the same lane. You can press button **4** and **5** on the steering wheel to adjust the headway among four levels.

### Actively accelerating/decelerating with ACC activated

- When ACC is active, the driver can accelerate by actively pressing the accelerator pedal to reach the set target speed in advance, at this time, the system enters the over acceleration state. If the current speed is already the target speed, the driver still depress the accelerator pedal to actively speed up and does not carry out other operations. After the speed increase is completed, the vehicle will return to the target speed set before acceleration; If the wheel **2** is scrolled down while depressing the accelerator pedal, the current vehicle speed will be set as the target cruise speed. If the vehicle speed is higher than 150 km/h or the accelerator pedal is depressed continuously for more than 15 min, the system will enter the standby state, and you need to reactivate the ACC;
- With the ACC activated, depress the brake pedal to decelerate the vehicle continuously. The system will automatically enter the standby state. After releasing the brake pedal, you need to reactivate the ACC.

### Vehicle following to stop/start

- The ACC system can control the vehicle to follow a vehicle ahead to stop in normal driving condition. If the vehicle stops for less than 3s, the vehicle can follow a vehicle ahead to start.
- If the vehicle has stopped for less than 3 min, the driver needs to depress the accelerator pedal or operate the ACC cruise button to reactivate the ACC.
- If the vehicle has stopped for more than 3 min, the ACC system will enter the standby state and the EPB will be applied.

### Precautions

- The ACC function can assist the driver but not serve as a substitute for the driver in driving. The driver must always keep control of the vehicle and have full responsibility for the vehicle. Even if the ACC is activated, the driver must be careful in driving and follow the traffic rules.
- The driver should set the distance from a vehicle ahead and reasonably set the ACC system depending on the traffic flow ahead and current weather conditions such as rain or fog. After the ACC system is reasonably set, the driver should make sure that the vehicle can be decelerated to stop at any time.
- The ACC is suitable for use on expressways and roads in good conditions and not suitable for use on complex urban roads or mountain roads.
- Maintaining a proper distance from a vehicle ahead is the responsibility of the driver. The headway set via the ACC system meets the minimum distance requirement in the driving environment in this country.
- When the ACC is working, if the driver depresses the accelerator pedal, the driver takes control of the vehicle and the vehicle distance control function of the ACC system will not be activated.

- For stationary objects such as vehicles, tail end of vehicle stream, toll stations, bicycles or pedestrians, the ACC will react in special conditions only which are highly specific.
- In consideration of safety factors, the ACC cannot be activated when the ESP is off.
- The ACC system cannot recognize pedestrians and vehicles travelling in the opposite direction.
- The ACC can apply limited brake only and cannot apply emergency brake.
- If a vehicle ahead is braked suddenly (emergency stop), the ACC may sometimes fail to react or be slow in reacting to the action of the vehicle ahead, resulting in the risk of being too late in brake application. In this case, the driver will not receive a takeover request.
- In some cases (a vehicle ahead runs at a high relative speed or changes lane too fast, or the safety distance is too small, etc.), the system does not have enough time to reduce relative speed. In such cases, the driver must react appropriately. The system cannot provide an audible or visual alarm in each case.
- When the vehicle goes into or out of a curve, the target selection may delay or get hindered. In these cases, the ACC may brake late or unexpectedly.
- When the vehicle is running on a sharp curve such as a serpentine road, as the sensor may lose detection of the vehicle ahead in a few seconds due to limited vision field of the sensor, the ACC may accelerate the vehicle.
- If the vehicle with ACC activated is too close to an adjacent lane (or another vehicle on an adjacent lane is too close to the lane on which the vehicle with ACC activated is running), the ACC may respond to such other vehicle and brake.
- If another vehicle changes lane to the lane on which the vehicle with ACC activated is running, and falls within the detection range of the radar, the ACC will recognize it as a target vehicle and respond on this basis. In this case, the ACC may brake heavily or late.
- In some circumstances, the detection may be affected or delayed. If the radar reflection section of the target is too small (the target may be a bicycle, carriage or pedestrian), the system cannot identify the risk of distance from the target ahead, resulting in late response or failure to respond to these targets. In these cases, the driver need to control the vehicle speed. Moreover, the detection may be affected by noise or electromagnetic interference, resulting in delay or interference.
- When the vehicle runs on a different line to a vehicle ahead with a too small overlap ratio, the ACC system cannot identify such vehicle ahead as the target vehicle; in this case, the driver should keep control of the vehicle.
- When the vehicle follows a vehicle ahead to stop, in very few cases, the ACC system cannot identify the rear end of the vehicle ahead but the lower rear end of the target (e.g., the rear axle of a truck with high chassis or bumper of a vehicle). In these cases, the ACC system cannot guarantee a proper distance for stopping and the driver must stay alert and always get ready to brake.

- After obtaining confirmation from the driver (operation of the cruise control lever or accelerator pedal), the ACC system will make the vehicle to move forward automatically from stationary state. In this period, the driver must guarantee that there is no obstacle or any other traffic participant such as pedestrian ahead.
- The radar sensor may be affected by vibration or collision, resulting in performance reduction of the ACC system. In this case, contact a BYD authorised service provider.
- The radar sensor is mounted in the front area of the vehicle. It should be noted that the visual field of the sensor should not be covered by contaminants; otherwise, its intended function will suffer interference. Especially when snow completely covers the sensor, the system will quit; in this case, the system will send its quit information to the driver via the man-machine interface.
- If the vehicle is running under special road conditions such as a circular parking lot or a tunnel for a long time, the radar sensor may malfunction for a short time due to its detection characteristics. In this case, you can restore the function by restarting the vehicle or driving along a normal road for a certain distance.


## Forward Emergency Braking System (If Any)

### Introduction to the system


- The forward emergency braking system has two functions: predictive collision warning (PCW) and automatic emergency braking (AEB). When the system detects a potential risk of collision between the vehicle and any other vehicle, pedestrian or other object ahead, an audible and visual alarm will be issued to provide the driver with sufficient reaction time and when the situation continues to worsen, apply a short brake or even make automatic emergency braking to assist the driver in avoiding collision or mitigating injury caused by collision.
- You may turn on or off the predictive collision warning and automatic emergency braking functions via the multimedia system. These functions will be turned on by default when the vehicle is started.

### Predictive collision warning


- Safety distance warning

During driving, if the vehicle follows another vehicle ahead at a close distance for a long time, the system will issue a safety distance warning and the indicator  on the instrument will illuminate, reminding the driver that the vehicle is too close to another vehicle ahead.

- Predictive warning

During driving, if there is a risk of collision between the vehicle and another vehicle ahead, the system will issue a visual and audible predictive warning, the indicator  on the instrument will illuminate, and the speaker will sound. In this case, the driver should take proper action in time to ensure safety distance in driving.

### ■ Emergency warning

When the vehicle runs at a speed higher than 30 km/h and the driver does not take appropriate action in time after the predictive warning, the risk of collision increases and the system will issue predictive warning in a visual and tactile manner: the indicator  on the instrument will flash and short brake may be applied as a reminder. In this case, the driver should take proper action in time to ensure safety distance in driving.

### Automatic emergency braking

- If the driver does not respond to the emergency warning and the dangerous situation is further escalated, the system will enter automatic emergency braking mode. The system will apply braking force within its capability to avoid or mitigate injury caused by the collision.
- If the driver has taken braking measures in an emergency but the braking force is insufficient, the brake system will provide required braking force to achieve the best target braking force to avoid or mitigate injury caused by the collision.

### Precautions

- The forward emergency braking system cannot guarantee collision avoidance under all circumstances. In this respect, the driver must always maintain control of the vehicle and be fully responsible for the vehicle.
- The pedestrian protection technology cannot overcome the limitations of some physical conditions, and the function cannot be fully deployed within the speed range specified by the system. Therefore, the responsibility for taking timely and effective braking action always lies on the driver. Whether the pedestrian protection system issues an alarm or whether it can apply brake via the brake pedal or circumvent a pedestrian are based on actual conditions.
- The automatic emergency braking function will be turned off when the ESP function is turned off or the fault indicator illuminates.
- If the predictive collision warning system issues predictive warning, the driver must apply brake based on the traffic conditions to reduce the vehicle speed or avoid obstacles via steering.
- If the vehicle follows another vehicle ahead at a close distance for a long time, the safety distance warning system will issue a distance warning. If the vehicle ahead is braked sharply, collision cannot be avoided.
- In the event of an emergency warning, if the driver is alert (for example, the driver turns the steering wheel or applies emergency brake), the system will not continue to trigger automatic emergency braking.
- If the driver depresses the brake pedal or the vehicle obviously accelerates, the intervention of braking force applied by the emergency braking system may be interrupted.

- Rainstorm, mist, snow, or sludge may weaken the performance of the radar sensor. Therefore, please keep the sensor surface clean to avoid affecting the sensor's normal operation.
- In case of a fault that causes the radar sensor to treat the surface being dirty or covered by foreign object, the combination instrument screen will display corresponding information (radar surface is dirty or covered by foreign object). In this case, remove the foreign object from the sensor surface. When the radar is faulty, the predictive collision warning and the automatic emergency braking functions are turned off. After the fault is eliminated, the two functions will return to normal.
- In some circumstances, the detection may be affected or delayed. If the radar reflection section of the target is too small (the target may be a bicycle, tricycle, carriage, electric bicycle or motorbike), there is a risk that the system cannot identify the distance from the target ahead, resulting in late response or failure to respond to these target vehicles. In these cases, the driver need to control the vehicle speed.
- Pedestrian protection cannot rely on the system itself to completely avoid accident and serious injury.
- In some complex conditions, the pedestrian protection function may have unwanted warning and brake intervention, for example, on a curved main road.
- Malfunctioning pedestrian protection system may have unwanted warning and brake intervention, for example, due to angular misalignment of the radar/camera sensor.
- The driver must always be ready to take over and control the vehicle at any time.
- If the pedestrian protection system triggers braking, the brake pedal will feel hard by foot.
- When the driver depresses the accelerator pedal or turns the steering wheel, the automatic braking triggered by the pedestrian protection function will be restricted.
- Improper repair or modification of the vehicle may result in misalignment of the sensor and affect the normal operation of the system. In this case, contact a BYD authorised service provider.

## Lane Departure Warning System (If Any)

- The lane departure warning system identifies the lane lines by using the camera sensor. When the vehicle speed is higher than 60 km/h and the driver unconsciously departs from the lane, the system issues an alarm to alert the driver to driving safety.
- The driver can turn on or off the function of lane departure warning system through switch or multimedia system, and select and set the system sensitivity and alarm mode.
  - Two sensitivity modes are available for option: intelligent and standard.
  - There are three alarm types: audible alarm, steering wheel vibration, and audible alarm + steering wheel vibration.
- The system memorizes the setting state of the previous ignition cycle by default.



### Precautions

- If you have turned on the hazard warning lights or turn signals for changing lane, the lane departure warning function will be limited.
- If you drive the vehicle rolling on a lane line deliberately, the lane departure warning function will be limited.
- The lane departure warning function is affected by weather, illumination, and clarity of lane line. When you drive in shadowed area, at sunset or on road covered with snow and ice or severely worn, the performance will reduce significantly.

### Lane Keeping System (if any)

The lane keeping system recognizes the lane dividing line through a camera sensor. When the vehicle speed is greater than 60km / h, the system controls the steering system to keep the vehicle in its own lane, reducing the driver's turning burden and improving driving comfort.

- The driver can use the multimedia system to turn on or off the function of the current lane assist system. At the same time, they can switch between lane departure warning system, lane keeping system and automatic mode.
- The system memorizes the setting state of the previous ignition cycle by default.
- The lane keeping system is a driving assistance system, not automatic driving. The driver must always maintain control of the vehicle, and his hands cannot leave the steering wheel for a long time.
- The lane keeping function is affected by weather, illumination, and clarity of lane line. When you drive in shadowed area, at sunset or on road covered with snow and ice or severely worn, the performance will reduce significantly.

### Traffic Sign Recognition System (If Any)

The traffic sign recognition system identifies speed limit signs on road through the camera sensor, and the speed limit indicator on the instrument will illuminate to remind the driver to control the vehicle speed within a reasonable range.

- You can turn on or off the traffic sign recognition system via the multimedia system. The system memorizes the ON/OFF state of the previous startup by default.
- When the system recognizes a speed limit sign on the vehicle's travel path, corresponding speed limit indicator on the instrument will illuminate (e.g. ). When the system recognizes a speed limit lifted sign or that the vehicle has traveled a certain distance, the speed limit indicator will go out.

### Precautions

- The speed limit indicator on the instrument will go out after the vehicle has traveled a certain distance since recognition by the system. Therefore, the driver should take care to control the vehicle speed within a reasonable range.
- The speed limit recognition system can only recognize speed limit signs and does not participate in active control of the vehicle. The control of the vehicle is always in the hands of the driver. Therefore, please drive reasonably.

- When multiple speed limit signs appear on side-by-side lanes, the system will recognize the speed limit sign of the current lane for the display of the speed limit indicator, and the driver must ensure that the vehicle is running in the correct lane.
- The performance of the speed limit recognition system is affected by the weather, illumination level and visual quality of road markings. When you drive in shadowed area, at sunset, on a rainy, misty or hazy day or on a road covered with snow and ice or with poor markings, its performance will reduce significantly.
- When the vehicle has suffered collision accident or the sensor is reinstalled, it is recommended to contact a BYD authorised service provider to calibrate the sensor to avoid affecting the system performance.

### Blind Spot Monitoring System (If Any)

- The blind spot monitoring system includes three functions: blind spot monitoring, side assist, and rear cross traffic alert. This system mainly utilizes radar sensors to judge the current traffic conditions and timely warns the driver to drive carefully and pay attention to driving safety.
- You can turn on or off the blind spot monitoring system via press the blind spot monitoring system switch or the multimedia system. The system memorizes the ON/OFF state of the previous ignition cycle by default.



### Side assist

- The side assist function is implemented by using radar sensors to detect moving vehicles in approaching areas of the adjacent lanes. If any vehicle in these areas is approaching this vehicle rapidly, the side assist function will alarm depending on the driving conditions to warn you to drive safely.
- Alarm mode
  - With the vehicle running at a speed higher than 30km/h, when the radar sensors detect any vehicle in approaching areas of the adjacent lanes is approaching rapidly, the warning indicator on corresponding exterior rearview mirror will illuminate.



If the turn signal on the same side is turned on in this case, the warning indicator on the exterior rearview mirror will turn flashing, indicating possible danger if you continues to change lane and warning you to drive safely.

### **Rear cross traffic alert**

- The rear cross traffic alert function is implemented by using radar sensors to detect moving vehicles to both sides of the vehicle during reversing and warn you to drive safely if collision risk is posed.
- Alarm mode
  - In the reversing process, if the system determines that the reversing may result in collision with a vehicle approaching from left/right side, the warning indicator on corresponding exterior rearview mirror will flash and the reversing image interface will display a warning icon on the corresponding side to warn you of possible danger if you continuous reversing and warn you to drive safely.

### **Rear Collision Warning**

- The system detects the vehicles driving behind this lane through radar sensors. If there is a risk of collision between the rear vehicle and this vehicle, the system will timely remind the driver to drive carefully and remind the driver of the rear vehicle to drive safely.
- Alarm mode
  - When the vehicle is driving, when the radar sensor detects that the vehicle driving behind the lane is approaching the vehicle quickly and there is a risk of collision, the vehicle emergency warning light is on and flashes to remind the driver to drive carefully. At the same time, it reminds the driver of the rear vehicle that there may be a collision risk. Please pay attention to driving safely.

### **Precautions**

- The blind spot monitoring function is not a safety system, obstacle detector or collision warning system, but an auxiliary system to improve driving safety. Therefore, a driver must always keep control of the vehicle, drive normally and have full responsibility for the vehicle.
- When a target vehicle is approaching this vehicle from behind at a very high speed, the BSD system may not provide sufficient warning function.
- The driver should guarantee the normal operation of the blind spot monitoring system and keep the blind spot monitoring radar mounting areas in good condition. If the areas are covered by much mud, snow, clear the obstructions in time.
- The blind spot monitoring system would not respond to moving pedestrians.
- When the vehicle goes into or out of a curve, the blind spot monitoring function may delay or get hindered. In these conditions, the blind spot monitoring function may not issue warning properly.
- In some circumstances, the detection may be affected or delayed. If the radar reflection section of the target is too small (the target may be a bicycle, electric motorcycle or pedestrian), the system may not identify the target, resulting in failure to issue warning. Moreover, the detection may be affected by noise or electromagnetic interference, resulting in delay or interference.

- If relevant target vehicles at the rear sides of or behind the vehicle are blocked by obstructions or not properly identified by the system, the blind spot monitoring system will not issue warning.
- If irrelevant targets at the rear sides of or behind the vehicle such as large roadside baffles for road repair, large roadside billboards, reflector in tunnel and other objects with large reflection section are improperly selected as detected target vehicles, the blind spot monitoring system will issue warning.
- When the vehicle is running on a curve with a radius less than 250m or in harsh weather environments such as rainy or snowy days, the blind spot monitoring system may fail or suffer weakened function.
- The calibration radar sensor for blind spot monitoring may be affected by vibration or collision, resulting in performance reduction of the system. In this case, contact a BYD authorised service provider.

## Acoustic vehicle alerting system (engine sound simulator)

### System functions

The acoustic vehicle alerting system (AVAS) provides alerting sound to signal the vehicle's presence to nearby vehicles and pedestrians when the vehicle is running at a low speed.



- When the vehicle is driven in D mode:
  - When the vehicle speed is in the range of  $0\text{km/h} < V \leq 20\text{km/h}$ , the alerting sound level increases as the vehicle speed increases;
  - When the vehicle speed is in the range of  $20\text{km/h} < V \leq 30\text{km/h}$ , the alerting sound level decreases as the vehicle speed decreases;
  - When the speed is  $V > 30\text{km/h}$ , the alerting sound stops automatically.
- When the vehicle is driven in reverse, the vehicle produces continuous and uniform alerting sound.


### System OFF/ON control

The AVAS can be turned on and off through the "convenience-engine sound simulator off" button on the multimedia homepage. The system is on by default when the vehicle is delivered from the vehicle. The AVAS has standard, dynamic and comfortable sound sources, which can be set through multimedia "setting-driving-driving assistance-engine simulating sound source".

**⚠ WARNING**

- The AVAS can be turned off only when pedestrians are unlikely to approach the vehicle (for example, in traffic jam or on express highway). As long as pedestrians are likely to be around the vehicle, the AVAS needs to be turned on.
- If the vehicle runs at a low speed with the AVAS off, pedestrians cannot be alerted to the approaching vehicle and reduce the safety of the vehicle.
- If the alerting sound provided by the AVAS cannot be heard when the vehicle runs at a low speed, please pull over the vehicle in a relatively safe and quiet place, open the windows, drive in reverse, and check whether the alerting sound can be heard from the front of the vehicle. If it is confirmed that the alerting sound cannot be heard, it is recommended to contact a BYD authorised service provider for troubleshooting.

**All-around View Monitor System (If Any)**

When the power is in the “OK” position, after pressing button  on the steering wheel, the system enters the all-around View monitor system interface .



■ In the horizontal screen state:

- Tap the front, rear, right or left area of the vehicle icon on the left side to display a single view of the front, rear, right or left view of the vehicle in the right image area.
- In the front or rear single view, double-tap the image area to switch to 180° viewing angle in full screen.



■ In the vertical screen state:

- Tap any two areas of the front, back, left and right of the lower left area to display a single view of the selected two orientations in the upper and lower right image areas.

- In the left all-around view, the lower left corner **1** is the radar icon and the lower right corner **2** is the actual vehicle and transparent vehicle switching icon. You can also tap **3** vehicle image to switch the view between transparent vehicle and actual vehicle.



### **⚠ WARNING**

- As fish-eye wide angle cameras are applied to the system, there may be certain difference between the objects displayed and the actual ones.
- The all-around view monitor system is only used for assisting parking/driving. However, parking or driving the vehicle only depending on this system is unsafe, because there are some dead zones both in front of and behind the vehicle. To avoid causing accidents, the surroundings of the vehicle should also be observed by other means during parking/driving.
- Do not use the all-around view monitor system if exterior rearview mirrors are not extended in place. Make sure that all doors are properly closed when operating the vehicle with the help of the all-around view monitor system.
- There may be some difference between the distance displayed on the screen of all-around view monitor and the distance felt by the driver. Especially when an object gets closer to the vehicle, the driver should judge the distance between the vehicle and the object by multiple means.
- The cameras are installed on the front grille, under the left and right exterior rearview mirrors and above the rear license plate. Make sure that all these cameras are not covered or obstructed.
- To prevent affecting the performance of cameras, avoid directly washing these cameras when washing the vehicle body with high-pressure water.
- Do not hit or knock on cameras by any means, because doing so may cause failure of or damage to cameras.
- If the multimedia system has not been completely started after the vehicle is powered on, pressing the start button of the all-around view monitor or shifting to R position will result in delayed output of all-around view monitor images.

## Parking Assist System (If Any)

- During vehicle reversing, the parking assist system can prompt the driver the distance between the vehicle and an obstacle through display of indicator on the multimedia display screen (if any) and the alarm of the speaker. This system detects obstacles by utilizing sensors.
- Parking assist system is a method for helping reversing. Observe the environment behind the vehicle and the surroundings during reversing.
- When you reverse the vehicle, a reversing image will be displayed on the system screen automatically.
  - The three lines in the figure are reverse safety lines.
  - The displayed area varies with the direction of the vehicle and the road conditions.
- This system can only assist in parking. Do not rely too much on it. When reversing, make sure there is enough space before operating.

### **WARM TIP**

- The reversing safety line is only a distance reference for the vehicle under no-load conditions.
- For your driving safety, when the reversing image is displayed, all buttons will be disabled except some volume and phone related buttons.

- After reversing ends, the interface will be restored.

### **WARNING**

- When the vehicle speed is greater than 10 km/h, the parking assist system will stop working.
- Do not add any other articles within the working scope of sensors.
- Do not wash the positions of sensors with water or steam when washing the vehicle. Otherwise, a sensor failure will be caused.

## Reversing sensor power button

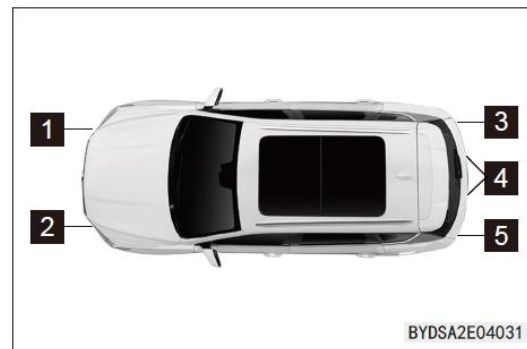
- You can turn on or off the reversing sensor system via the multimedia system.

- When the power is in the OK mode and the EPB is released , the parking assist system will be activated automatically.
- With the system on, when obstacles exist around the vehicle, alarm will be issued. With the system off, no alarm will be issued.

### Type of sensor

- The corresponding image will be displayed on the multimedia display screen (if any) based on the orientation of obstacle and the distance between vehicle and obstacle when an obstacle is detected by sensors.
- For parallel parking or reverse parking, sensors can measure the distance between vehicle and obstacle and transmit the measured distance to the multimedia display screen and the speaker. Be sure to watch the surroundings when using this system.




- 1 Front right corner sensor
- 2 Front left corner sensor
- 3 Rear right corner sensor
- 4 Rear left and right middle sensors
- 5 Rear left corner sensor





### Distance display Alarm

When an obstacle is detected by sensors, the orientation of the obstacle and the approximate distance between vehicle and obstacle will be displayed on the multimedia display screen and the speaker will sound.

### Operation examples of central sensor

Approximate distance (mm)	Examples of multimedia display	Alarm sound
About 700~1200		Slow
About 300~700		Fast
About 0~300		Continuous

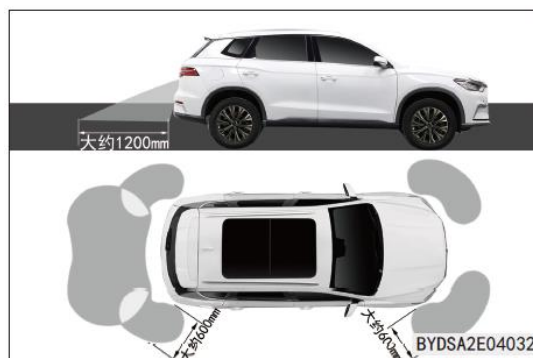
### Operation examples of corner sensor

Approximate distance (mm)	Examples of multimedia display	Alarm sound
About 300~600		Fast
About 0~300		Continuous

### Working sensor and its detection zone

When you reverse the vehicle, all the sensors will work.

Detection zones of sensors are given in the figure. As the detection zones are limited, be sure to check the surrounding of the vehicle before reversing the vehicle slowly.



**WARM TIP**

- The parking assist system is only used for assisting you in parking and it cannot be used as a substitute for your judgment. Be sure to control the vehicle based on your observation.
- Do not place accessories or other articles at the positions within the obstacle detection scope of sensors, because doing so may affect normal work of the system.
- Under some conditions, the system cannot work normally. The system cannot detect the obstacle when the vehicle approaches to certain objects. For these reasons, be sure to observe the areas around the vehicle all the time and do not rely on the system only.

**Sensor detection information**

- A sensor's performance in correct detection of obstacles may be affected by some vehicle conditions and the surroundings of the vehicle. The following are some specific conditions that may bring impact:
  - There is dirt, ponding or mist on the sensor;
  - The sensor is covered by snow or is frozen;
  - The sensor is covered by any means;
  - The vehicle is obviously rolled or excessively overloaded;
  - The vehicle is on a bumpy road, slope, macadam pavement or grass land;
  - The sensor has been repainted;
  - The surroundings of the vehicle are very noisy because there is vehicle trumpet, sound of motorcycle engines, air brake sound of large vehicles and other supersonic noises;
  - There is another vehicle equipped with parking assist system nearby;
  - The vehicle is installed with towing rings;
  - The bumper or the sensor has been impacted strongly;
  - The vehicle is approaching a high or zigzag kerb;
  - The vehicle is operated under sun exposure or in severely cold weather;
  - An inferior suspension not from the original manufacturer has been installed.
- In addition to the above-mentioned circumstances, it may be impossible for the sensor to correctly judge the actual distance between vehicle and obstacle due to shape of the obstacle.








- The shape of an obstacle may obstruct the detection on it by the sensor. Pay special attention to the following obstacles:
  - Electric wires, fences, ropes, etc.;
  - Cotton, accumulated snow and other materials that can absorb radio wave;
  - Objects with sharp edges and corners;
  - Low obstacles;
  - High obstacles, the upper part of which extends toward your vehicle;
  - Any object under the bumpers;
  - Any object getting closer to the vehicle;
  - Any person near the vehicle (depending on the type of the person's clothes).
- Any image displayed on the multimedia display screen (if any) or sound of the speaker indicates that the sensor has detected an obstacle, or that the sensor has been disturbed by external objects. It is recommended to drive the vehicle to a BYD authorised service provider for inspection if such a phenomenon exists continuously.

### ⚠ CAUTION

- Do not wash the positions of sensors with water or steam. Otherwise, a sensor failure will be caused.

## Tyre pressure monitoring system

### Direct Tire Pressure Monitoring System( if any)

- The direct tire pressure monitoring system is an auxiliary system that monitors tire pressure in real time, improves the safety and comfort of the entire vehicle, and reduces the accelerated tire wear and increased vehicle energy consumption caused by insufficient air pressure.
- The user can enter the instrument menu by pressing  the button  /  on the steering wheel , switch to the driving information column by pressing the  and  buttons, and select the tire pressure display interface by scrolling the wheel on the button .

#### System functions

##### 1. Startup alarm

When the vehicle is powered off, all tyres are in a low pressure state. When the vehicle is powered up again, a low tyre pressure alarm will be given to remind the driver of inflating tyres before continuously driving the vehicle.

## 2. Low tyre pressure alarm

- When the tire pressure value of any one of the four wheels is lower than 80% of the standard tire pressure value and the system is in operating state, the tire pressure failure light will light up and the tire pressure value will turn yellow. It is recommended that you stop to check whether the corresponding tire has slow air leakage and charge the air pressure to a reasonable range.
- The low tyre pressure alarm will be canceled when the tyre pressure is higher than 95% of the standard pressure.

## 3. Quick air leakage alarm

If one or more tyres are leaking and the leakage rate is greater than or equal to 30 kPa/min and the system is in operating state, the TPMS failure light flashes continuously and the tire pressure value turns red. If the vehicle gives tyre leakage alarm, stop the vehicle without delay to check the failed tyre, and drive continuously after confirming that there is no tyre failure.

4. Signal abnormality alarm When the system is operating, the tire pressure fault lamp blinks after a fault occurs, and the combination meter displays “Signal Abnormal. Check if the corresponding tyre pressure monitoring module is normal and if it is in the scope of a large electric field for a long time.

## 5. Real-time display of tyre pressure

The TPMS can display the real-time pressure of each tyre in operating state.

### Precautions


1. The service time of tyre pressure monitoring module is related to such factors as daily running mileage of the vehicle.
2. The tyre pressure monitoring module can transmit such information as tyre pressure to the display at regular intervals. For this reason, if the tyre pressure drops suddenly or a tyre bursts during vehicle running, the monitoring module can only transmit relevant data to the display at the time of next monitoring. Stop driving the vehicle immediately if no information is sent out due to damage to the monitoring module while the corresponding tyre is damaged, or if you suspects that a tyre has been damaged. Stopping the vehicle after an alarm is shown on the display is not recommended.
3. Incorrect installation of the tyre pressure monitoring module will affect tyre airtightness. It is recommended that the tyre pressure monitoring module should be installed and replaced by professional technicians of a BYD authorised service provider according to the requirements in installation instructions.
4. The entire TPMS should be re-matched during tyre rotation or replacement of the tyre pressure monitoring module. It is recommended that the rematch work should be finished by a technician of a BYD authorised service provider. Otherwise, failure of this system will be caused.
5. Inflate or deflate tyres according to tyre pressure values shown on the instrument and standard tyre pressure values and based on actual demand, because tyre pressure values vary along with temperature changes in different regions.

6. Wireless transmission is applied to transmit information of TPMS. An environment with serious interference may make the information reception effect of TPMS become worse.

### **⚠ WARNING**

- This system will not prevent the vehicle from running even if the tyre pressure is abnormal. Therefore, it is required to start up the system in static state to check if the tyre pressure complies with the value specified by the manufacturer each time before driving the vehicle. Do not drive a vehicle with abnormal tyre pressure. Otherwise, the vehicle will be damaged or the driver or other persons may suffer personal injury.
- Check the tyre pressure at once if you find that the tyre pressure is abnormal. If the low pressure warning indicator illuminates during driving, avoid turning suddenly or applying emergency brake, but decelerate the vehicle, drive it to roadside and stop it as soon as possible. Driving the vehicle under low tyre pressure may damage tyres permanently and increase the possibility of tyre scrapping. Serious damage to tyres may lead to a traffic accident or result in serious personal casualty.


### **Indirect Tire Pressure Monitoring System (if any)**

Tire pressure monitoring can only monitor whether the tire is under-pressure during vehicle driving. When the tire pressure on one or more tires is abnormal, indicator  and text alarm will be displayed on the display screen of the instrument cluster.

### **📌 WARM TIP**

- The tire pressure monitoring system is developed for BYD original tire matching. We recommend using BYD original tires, otherwise there is a risk of system failure alarm or abnormal performance.
- When the vehicle is power "ON" the system will perform a function test. At this time, the warning light and indicator light will be on briefly.

### **Tire under pressure**

- When the tire pressure is changed on one or more tires, the tire pressure monitoring system will issue a tire under pressure alarm, and the indicator light on the instrument cluster display will show , the under pressure tire will turn yellow, and the buzzer will alarm. 1 time.

- At this time, the driver should immediately park the vehicle in a safe place, and then check all tires and tire inflation pressure. Please be careful during the parking process to avoid severe steering / braking operations. The tire pressure monitoring system should be reset after the cause of the tire under pressure alarm is completed.

### WARNING

Different tire pressures or too low tire pressures may lead to tire failure, out-of-control of the vehicle and serious casualty accidents.

- Different tire pressures or low tire pressures may aggravate tire wear, reduce driving stability and extend braking distance.
- Different tire pressures or low tire pressures can cause sudden tire failure, burst tires, and out of control vehicles.
- Driving with too low tire pressure will increase tire deflection, and the tire will heat up violently, which may cause tire shelling and burst.
- Under certain conditions (such as sports driving, winter or soft road conditions), the tire inflation pressure control display may be delayed.
- The use of tyres with non-conforming air pressure may lead to accidents and tyre damage, and the driver is responsible for ensuring that the inflation pressure of all tyres is correct. Therefore, all tires must be filled to the correct air pressure before driving, and the tire pressure sign lists the tire specified air pressure value. The tire monitoring system will only function if the tire pressures of all cold wheels are correct.
- If the indicator light appears on the display, immediately park the vehicle in a safe place, and then check the tires and tire inflation pressure. Please pay attention to safety during parking to avoid severe steering / braking operations.

### WARM TIP

- The tire pressure monitoring system can identify tires whose tire pressure is too low. When the vehicle issues a tire or a tire under-pressure alarm, the driver should detect the non-alarm tire in addition to the alarm tire and tire inflation pressure.


A tire monitoring system alarm may occur if:

- Changing tire pressure manually;
- The inflation pressure of one or more tires is too low;
- Tire has structural damage;
- Replace one wheel at each front and rear axle;
- The tire pressure monitoring system has not been reset after changing the tire or changing the tire pressure;
- Vehicle unilateral load is too heavy;
- When the wheel load on an axle is heavy, such as full load;
- Install snow chains
- Spare wheels are installed.

#### **WARM TIP**

- When driving on dirt roads, gravel roads, mountain roads, snow roads or in sports mode, the tire monitoring indicator may be partially or completely turned off for a short time. If you drive in these conditions for a long time, it will cause the tire pressure monitoring system to alarm Prolonged.

#### **System Failure**

When the signal used by the tire pressure monitoring system cannot be received or is invalid, the indicator light  on the instrument will flash for 60s and then be on normally, the text display of "please check the tire pressure monitoring system" and the buzzer will give an alarm for 1 time. At this time, the vehicle loses the tire pressure monitoring function, and the driver should immediately drive to the authorized service shop of BYD for troubleshooting.

#### **WARM TIP**

- In the event of an ESP failure, the tire pressure monitoring display may also lose its functionality
- System failure may occur with snow chains installed.
- If the vehicle has a tire under-pressure alarm, if the user resets the tire pressure monitoring system without ensuring that the tire pressure is normal, the tire pressure monitoring system will be manually removed, which will cause the tire pressure monitoring system to fail or the actual tire pressure will be too low during the next alarm. Therefore, it is important to confirm that all tires and tire pressures are normal before resetting.

The tire pressure should be reset after the following operations:

- Adjusting the inflation pressure of one or more tires;
- Replace (rotate) any tire/wheel;
- Dynamic balancing of wheels;
- Technical modification of chassis;
- Since the last reset, the ambient temperature has changed more than 40°C; ;
- One year or 10000km later

### System reset

You can reset the tire pressure system in the multimedia "vehicle information". For details, refer to the electronic multimedia user manual.

## Driving Safety Systems

To improve running safety of the vehicle, the following driving safety systems will work automatically according to various running conditions. However, be sure to keep in mind that these systems only provide assistance, so over-dependence on them should be avoided when driving the vehicle.

### ESP (electronic stability program)

ESP integrates three functional modules, i.e. ABS, VDC and TCS, as well as other value-added sub-functions such as HHC, HBA, CDP and HDC.

### VDC (vehicle dynamic control)

When the running vehicle takes a sudden turn, the VDC system will ascertain the intent of the driver according to the steering wheel angle and the vehicle speed and will continuously compare the intent with the actual vehicle condition. If the vehicle deflects from the normal running route, VDC will make corrections by applying braking force to corresponding wheels, so as to help the driver to control sideslip and maintain the directional stability of the vehicle.

### TCS (traction control system)

TCS can prevent driving wheels from slipping during accelerated running by reducing the motor power. If necessary, TCS will apply braking force for the purpose of control, so as to prevent slipping of driving wheels. Under unfavorable running conditions, TCS makes the vehicle easy to start, accelerate and climb the hill.

**⚠ WARNING**

- TCS may not work effectively in the following circumstances:
  - When the vehicle is running on a wet and slippery road, TCS system may be unable to control the direction and meet the power requirement even if it works normally;
  - Do not drive the vehicle with the possibility of losing stability and power of the vehicle.

**HHC (hill hold control)**

After the brake pedal is released, HHC can hold the braking force applied by the driver for 1s, so that backward sliding of the vehicle can be prevented.

**HBA (hydraulic brake assist)**

When the driver quickly depresses the brake pedal, HBA can identify that the vehicle is in an emergency state and then quickly increase the braking pressure to the maximum value. Thus, the ABS will be activated more rapidly to shorten the braking distance in an effective way.

**CDP (controller deceleration parking) (if any)**

When the EPB is pulled up, CDP will start to work and the vehicle will be braked at a constant deceleration (the deceleration will be 0.4g if only the EPB is pulled up and will be 0.8g if the EPB is pulled up and the brake pedal is depressed at the same time) until the vehicle is stopped. If the driver releases the EPB, CDP will stop working.

**HDC (hill descent control)**

- Working principles of HDC: HDC is a value-added function of ESP system to improve the riding comfort of the vehicle. HDC function may be activated and deactivated by pressing the HDC button. The main effect of HDC is to help the driver to drive uphill/downhill at a low speed by active braking. During HDC operation, ABS will be activated when the wheel slip ratio goes beyond the ABS triggering threshold. This function enables the driver to drive downhill or even reverse in a safe and stable manner.
- Activating HDC function:
  - When the vehicle speed is lower than 38 km/h, the HDC function may be activated by pressing the HDC button. After this function is activated, the HDC function status indicator on the instrument will stay on.
- HDC speed control:
  - HDC function serves when the vehicle speed is in the range of 11~38 km/h. In this case, you can depress/release the accelerator pedal or the brake pedal to adjust the vehicle speed. Finally, the speed will be the value recorded when the accelerator pedal or the brake pedal is released. When HDC works, the flashing HDC function status indicator on the instrument represents that HDC function is activated.


- Deactivating HDC function:
  - When it is unnecessary to activate HDC function, by pressing the HDC button again, the HDC function indicator on the instrument will be off immediately.
  - When the vehicle speed is over 65 km/h, HDC function will also be deactivated automatically.
- Failure of HDC function:
  - In some special cases, such as driving down from a long-distance hill, HDC function may be temporarily unavailable due to over temperature of the brake.
  - The instrument will display the prompt message of "Check HDC system" in such a case, and you should pay attention to driving safety. Recovery of HDC function cannot be achieved until the brake cools down.

### Operating instructions for ESP system

- Working of ESP system
  - If the vehicle faces the risk of sliding or reversing or any one of the driving wheels slips when the vehicle is started on a hill, the ESP indicator will flash, indicating that the ESP system is working.
- Disabling ESP system
  - If the vehicle gets trapped in snow or mud, the ESP system may reduce the power output from the motor to the wheels. In such a case, you need to disable the system to go out of the trap.
- Turning off ESP system
  - Press and release the ESP OFF button if it is necessary to turn off the ESP system. In addition, ESP will check its working status in real time. If the ESP system is working, press the ESP OFF button to turn off the ESP system. However, the ESP system will not execute the "OFF" order at once, but will finish the current active intervention control before executing the ESP OFF order.

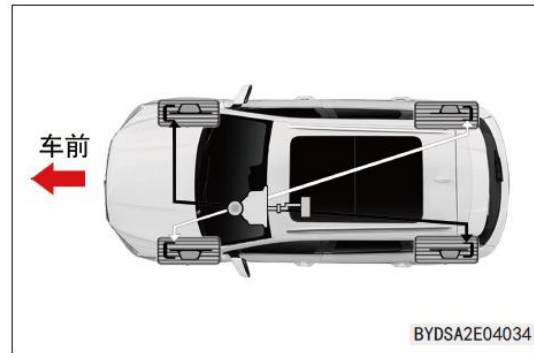


- After the ESP system is turned off, part of the ESP system functions will be reactivated if the ESP OFF button is pressed again or the vehicle speed is greater than the threshold value (80 km/h). To prevent sudden activation of ESP system functions, such functions can only be reactivated when the ESP system is not in the status with reservation of vehicle dynamic intervention.

- Mis-operation of ESP OFF button
  - If the continuous pressing time of ESP OFF button exceeds 10s, the ESP system will regard this as mis-operation. All built-in functions of the ESP system will keep normal.
- Restarting ESP system after the motor is shut down
  - After the ESP system is turned off, restarting the motor will also restart the ESP system.
  - Starting of ESP system and linkage with vehicle speed
  - If the ESP system has been turned off, the vehicle will be extremely unstable when the vehicle speed is increased to be greater than the threshold value (80 km/h). In this case, the ESP system will start automatically.
- When the ESP system is activated
  - When the ESP fault indicator  flashes, please drive with care. Careless driving may cause an accident. Be careful when the indicator flashes.
- When the ESP system is turned off
  - Drive with special care and at a speed suitable to road conditions. If unnecessary, do not turn off the ESP system because it can ensure stability and driving force of the vehicle.
- Replacement of tyres
  - Make sure that all tyres have the same size, brand, tread pattern and total load bearing capacity. In addition, make sure that all tyres are inflated to the recommended tyre pressure.
  - If different tyres are installed on the vehicle, ABS and ESP systems cannot work normally.
  - Contact a BYD authorised service provider to get the details about replacement of tyres or wheels.
- Treatment of tyres and suspensions
  - The use of any defective tyres or refitting of suspensions will affect the driving safety systems and may result in failures of these systems.

## ABS (anti-lock brake system)

- The hydraulic system of the ABS driving brake consists of two circuits. One circuit connects the left front wheel brake and the right rear wheel brake, and the other circuit connects the right front wheel brake and the left rear wheel brake. If either circuit fails, there are still two wheels that can be braked.
- ABS is helpful to preventing wheel locking or slipping in the case of suddenly applying braking force or applying braking force on the vehicle running on a wet and slippery road, so that you can maintain steering control.
- When front wheel tyres slip, you cannot exercise steering control. That is to say, although you are turning the steering wheel, the vehicle keeps running forward. ABS is conducive to preventing locking. In addition, as impulse braking is much faster than human response, so ABS is helpful to maintaining steering control.
- Do not depress the brake pedal in a pulsing way. Otherwise, ABS will be failed. Keep applying a powerful and stable pressure on the brake pedal when turning the steering wheel to avoid danger, so that ABS can play its role.
- When ABS is working, you will feel the vibration of brake pedal and may hear some noise. This is a normal phenomenon, because ABS is performing fast impulse braking.



### ⚠ WARNING

- ABS cannot work effectively in the following circumstances:
  - Tyres with insufficient road holding capacity have been used (e.g. over-worn tyres are used on the road covered by snow);
  - The vehicle slips when it is running on a wet and slippery road at a high speed.
- ABS is not designed for shortening the braking distance of the vehicle. Be sure to keep a safe distance away from the running vehicle ahead in the following circumstances:
  - When driving on a muddy road or a road covered by gravels or snow;
  - When driving on a pitted or uneven road;
  - When driving on a bumpy road.

**⚠ CAUTION**

- If the ABS fault warning light remains on when the brake system warning light illuminates, park the vehicle where it is safe to do so immediately and contact a BYD authorised service provider.
- Braking the vehicle in such a situation can cause the ABS to malfunction, and the vehicle would become extremely unstable.
- ABS (anti-lock brake system) cannot shorten the time and distance needed for braking the vehicle. This system only helps you to control steering during braking. You should always keep a safe distance away from other vehicles.
- ABS cannot prevent slipping caused by sudden change of direction, e.g. trying to turn the vehicle quickly or changing to drive on another lane suddenly. Drive the vehicle carefully at a safe speed all the time, no matter what the road and weather conditions are.
- ABS cannot prevent the reduction in stability. Perform steering properly during emergency brake. Big or sudden turning during driving may result in the vehicle's collision with oncoming vehicles or rushing out of the road.
- When running on a loose and soft or uneven road (e.g. the road covered by gravels or snow), the vehicle with ABS may need a longer braking distance than that without ABS. In this case, slow down the vehicle and keep a longer distance away from other vehicles.

## 4-6 Specifications of Other Main Functions

### Interior Rearview Mirror

#### Automatic Anti-dazzle Function (if any )

The interior rearview mirror of this vehicle is provided with electronic anti-glare system, which can adjust the color of the interior rearview mirror depending on the environment of the vehicle to weaken the disturbance of glare to the driver's rear visual field.



#### **⚠ WARNING**

- Do not hang heavy objects on the interior rearview mirror or shake and drag hard the interior rearview mirror. When manually adjusting the interior rearview mirror, if it becomes stuck, do not adjust it violently to prevent it from falling off.
- Please do not adjust the inside rearview mirror when driving, otherwise the driver may not control the vehicle, resulting in accidents and casualties.

#### Anti-dazzle Function (if any )

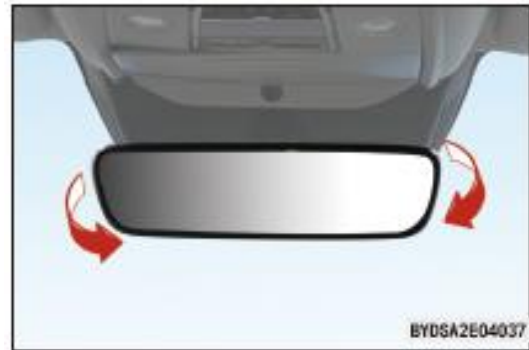
There are two modes of interior rearview mirror that are suitable for day and night respectively. Night position reduces glare from rear vehicles.

- Daytime driving-place the control lever in position **1**, where the mirror image is the clearest
- Driving at night-place the control lever in position glare, the clarity of the rear view also decreases. **2**, remember that while reducing dazzle, the clarity of the rear view also decreases.



### Anti-dazzle Function (if any )

Rotate the inside rearview mirror up and down, left and right, and adjust the inside rearview mirror to the appropriate position.






### Electric Exterior Rearview Mirrors

The driver can adjust electric exterior rearview mirrors to the extent that vehicle sides can be seen in these mirrors by operating the switch of exterior rearview mirrors.



The driver can adjust electric exterior rearview mirrors to the extent that vehicle sides can be seen in these mirrors by operating the switch of exterior rearview mirrors.



- Selector switch — for selecting the exterior rearview mirror to be adjusted.
  -  : left exterior rearview mirror
  -  : right exterior rearview mirror
- Control switch  — for adjusting the exterior rearview mirrors. Press the button according to the direction needed.

### Manual adjustment

- Press the mirror edge by hand, and then make the mirror rotate around the center until it gets to a proper position.




### Folding of exterior rearview mirrors

#### Manual folding of exterior rearview mirrors

Push against the outer edge of the exterior rearview mirror body to make it rotate around the folding shaft until it gets to the lock-up position.



#### Electric folding of exterior rearview mirrors

- Pressing the  button, electric exterior rearview mirrors will fold. Pressing this button again, electric exterior rearview mirrors will unfold.
- When the anti-theft function is activated, both exterior rearview mirrors will fold automatically. When the anti-theft function is deactivated, both exterior rearview mirrors will unfold automatically.



### **WARM TIP**

- Do not adjust exterior rearview mirrors when the vehicle is running. Otherwise, mis-operation of the vehicle may be caused, resulting in an accident.
- Use of the electric heater defrosting function of the rearview mirror for a long time may cause the mirror to age prematurely; therefore, please turn off the defrosting button in time when defrosting is no longer needed.

## Wiper

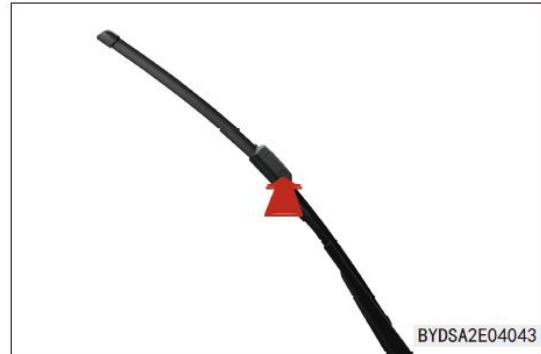
Check the conditions of the front/rear wiper blades at least once every six months to see if there is any cracking or local hardening of the rubber. If any, replace the corresponding wiper blades. Otherwise, the use of defective wiper blades will leave strip patterns or stains on the windscreen.

### Replacement of wiper blade

#### Replacement of front wiper

1. Pull up the wiper arm at the driver's side and then the one at the front passenger's side.

2. Press the LOCK WIPER BLADE button



3. Hold the wiper blade clip to take out the wiper blade along the direction as shown in the figure.

4. Install a new wiper blade as per the operations in an order reverse to that for taking out the wiper blade.



## Replacement of rear wiper

1. Pull up the rear wiper arm.
2. Turn the rear wiper blade to the position shown in the figure.
3. The wiper blade can be directly rotated and taken out.



### ⚠ CAUTION

- Do not open the front hood when the wiper arm is lifted up. Otherwise, both the front hood and the wiper arm will be damaged.
- Do not directly push the wiper arm to let the wiper blade straightly strike onto the windscreen when laying down the wiper blade after washing the vehicle.
- Do not bend the wiper blade. Do not obstruct the wiper blade when the wiper works.

## Antiskid Chain

- Snow antiskid chains are for use only in emergency cases or when the vehicle is driven through specific regions explicitly provided in law.
- Snow antiskid chains should be installed on rear wheels. Be more careful when driving the vehicle equipped with snow antiskid chains on a road covered by ice or snow. Some snow antiskid chains may damage tyres, wheels, suspensions and body of the vehicle. Therefore, fine antiskid chains should be selected to provide a sufficient and free space between tyres and other parts in wheel guards.
- Carefully check and read the component assembly drawings and other instructions of the antiskid chain manufacturer.
- It is recommended that you consult the BYD authorised service provider from which you bought the vehicle, before you buy antiskid chains and install them on the vehicle.
- After antiskid chains are installed, the vehicle should be driven at a speed lower than 30 km/h on a road covered by ice or snow.
- To minimize wear of tyres and antiskid chains, be sure to avoid installing antiskid chains on the vehicle and driving it on a road not covered by ice or snow.

**WARM TIP**

- Dry the vehicle at a speed not exceeding 30km/h or the speed limit specified by the antiskid chain manufacturer (whichever is smaller).
- Drive carefully and pay attention to bumps, holes and sharp turns, which may cause the vehicle to jump.
- Avoid sharp turns or wheels lock-up in braking when driving the vehicle equipped with antiskid chains, and slow down before taking turns to avoid the accidents due to loss of control over the vehicle.
- Tyres installed with antiskid chains should be used symmetrically, and those not used should be removed immediately.



## 5 Interior Devices

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## 5-1 Multimedia System

### Multimedia Buttons

When the power is in OK mode, the initial image will be displayed for several seconds and the multimedia system will start to work.



1 Multimedia switch button /  
volume adjustment knob

2 Multimedia display

#### **⚠ WARNING**

- Do not use high-power inverter in the vehicle, because using such inverters will result in abnormality of the multimedia system.
- Do not privately flash or root the multimedia system; otherwise, the multimedia system or the vehicle may become abnormal.

**⚠ CAUTION**

- To prevent causing damage to the touch screen:
  - Gently tap the screen with a finger. If the system makes no response, move the finger away from the screen, and then tap it again.
  - Do not use any detergent when wiping the screen with a piece of soft cloth.
- Touch screen
  - When the temperature of display screen is low, the image displayed may be darker or the multimedia system may work slower than working under normal conditions.
  - It may be darker or hard to see clearly if you look at the screen when wearing sun glasses. In this case, change your angle of sight or take off the sun glasses.
  - Gray buttons on the touch screen are inoperable.
    - The display interface of the touch screen is only provided for reference, and that on the vehicle shall prevail.
    - To enable the user to have better experience of the multimedia system's functions (e.g. intelligent voice, APP, video call, etc.), it is recommended to connect the system to the Internet.
    - For your driving safety, it is recommended to use the multimedia system with horizontal screen during driving.

** WARM TIP**

- To enable the user to have better experience of the multimedia system's functions (e.g. intelligent voice, APP, video call, etc.), it is recommended to connect the system to the Internet.

## 5-2 Air Conditioning System

### View of A/C Control Panel

- 1** A/C AUTO button
- 2** A/C ON/OFF button
- 3** Front windscreen defrosting button



## A/C Operating Interface





- |   |   |
|---|---|
| <b>1</b> A/C AUTO button  | <b>9</b> Front windscreen defrosting button         |
| <b>2</b> Maximum cooling button   | <b>10</b> A/C state icon                            |
| <b>3</b> Compressor control button  | <b>11</b> A/C ON/OFF button                         |
| <b>4</b> Internal air recirculation mode/external air circulation mode button | <b>12</b> Driver space temperature set button       |
| <b>5</b> Air outlet mode selection button                                     | <b>13</b> PM2.5 operating interface button (if any) |
| <b>6</b> Rear windscreen and exterior rearview mirrors defrosting button      | <b>14</b> Front A/C operating interface button      |
| <b>7</b> Ventilation button   | <b>15</b> Blower speed adjustment button            |
| <b>8</b> Front passenger space temperature set button                         |   |

**WARM TIP**







- A/C odor:
  - When the A/C is turned on, the air coming from it may smell musty. Such kind of A/C odor is normal. When the vehicle's A/C is in service, A/C condensate often adheres to the evaporator and the wet evaporator easily adsorbs the unfiltered human sweat, smoke, dust, etc. inside the vehicle. If the condensate on the evaporator is not dried, mould may easily grow on the dark and humid evaporator surface and long duration of mould fermentation always produces odor.
- Odor prevention methods:
  - Turn off the A/C for natural ventilation before stopping the vehicle to keep it relatively dry;
  - Inspect, clean or replace the filter screen at regular intervals;
  - Keep the interior of vehicle clean and air fresh to the greatest extent.
- If the odor still exists after using such odor prevention methods, immediately contact a BYD authorised service provider for service and maintenance.

## Functions

### AUTO button

- Press the button  or tap the button  on the A/C operation interface the indicator on the button will illuminate, indicating that the automatic operation mode has been selected.
- In automatic operation mode, the A/C system will select the most suitable blower speed, air supply mode and compressor ON or OFF status according to the set temperature.

### Air conditioning on / off button

- With the A/C on, Press this button  or tap  on the display screen to turn off the A/C . the air distribution mode keeps unchanged and the air inlet mode turns to internal air recirculation. Press this button again or tap  on the display screen to turn on the A/C.
- With the A/C off, press this button  again or tap  to turn on the A/C in the memorized modes, with the set temperature, blower speed and air distribution mode being those when the A/C was turned off last.





### Blower speed adjustment

#### Air volume adjustment

- A/C blower speed adjustment 

Tap the suitable blower speed level button to set the blower speed at a desired level. A higher blower speed level indicates a higher air input.

### Front windscreen defrosting button

- By pressing this button  or tap  on the A/C operation interface, the indicator on the button will illuminate and the air flow mainly comes from the air vent of front windscreen. By pressing this button again, or tap  on the A/C operation interface, the indicator on the button will go out and the air supply mode will return to the status used last time.
- By pressing this button or tap  on the A/C operation interface, the defrosting and demisting function of the windscreen will be activated and the A/C will also be turned on. In this case, no matter whether the A/C is operated or not, the A/C will be turned on, so that the front view can become clear more quickly.


### Temperature adjustment

- Tap the right arrow or left arrow on the display screen to increase or decrease the set temperature.
- LO will be displayed when the temperature is set at the lowest value, while HI will be displayed when the temperature is set at the highest value.
- When the temperature is set at the lower limit (LO) or the upper limit (HI), the system will run in full cooling mode (front A/C should be on) or full heating mode, not controlling the inside temperature.

**A/C state icon** 

- The current A/C state (air outlet mode, blower speed level, dual state, rear A/C on or off) is displayed.
- Tap this icon to switch the multimedia display screen to the A/C operating interface.

**Maximum cooling button** 

Tap  button to enable the A/C to operate in the maximum cooling mode. In this mode, the compressor is turned on, the temperature is automatically adjusted to Lo, the blower speed is automatically adjusted to the maximum level, the air inlet mode turns to internal air recirculation, and the air outlet mode is the face level vent. Tap this button again to return to the previous state of the A/C.

**Compressor control button** 

Tap this button to turn on the A/C compressor. At this moment, the icon will illuminate, the compressor starts to work and realize cooling. Tap this button again to turn off the A/C compressor. At this moment, the icon will go out and the compressor will stop.

**Internal air recirculation mode/external air circulation mode button**  and 

Press this button to set the air inlet mode to internal air recirculation, with the air inlet mode icon turning from external air circulation to internal air recirculation. Press this button again to set the air inlet mode to internal air recirculation, with the air inlet mode icon turning from internal air recirculation to external air circulation.

**Rear windscreen defrosting button** 

- When the power is in the OK mode, press this button to enable the rear windscreen and exterior rearview mirror demisters to operate.
- The fine electric heating wires on the inner side of rear windows will clear the glass surface rapidly.
- When the corresponding demister works, its indicator will illuminate.
- The demister system will shut down automatically after 15 min of work of the demister.
- After the glass is cleaned, press this button again to turn off the demister. If this function is used continuously, the start Fe battery will discharge, especially during stop-and-go driving. The demisters are not used to dry raindrops or melt snow.

**⚠ WARNING**

- Do not touch the mirror surface after pressing the demister switch, because the surfaces of exterior rearview mirrors may be heated.


**⚠ CAUTION**

- When cleaning the inner side of the rear windscreen glass, take care not to scratch or damage the electric heating element and its joint.
- Be sure to turn off the demister button when the drive motor does not work, so as to prevent the start Fe battery from discharging.

**Ventilation button** 


Tap the "VENT" button to allow the A/C to operate in the ventilating mode. In this mode, the air inlet mode is external air circulation, the temperature cannot be adjusted and the air outlet mode is natural air. Tap this button again to allow the A/C to return to the previous state.

**Air supply mode** 

- A/C air outlet mode selection button 
  - Tap any icon on the display screen to select the corresponding air outlet mode.
  - The air outlet modes can be combined freely. Three air outlet modes can be activated at most at the same time depending on your need.
- The air outlet mode may be adjusted according to the following explanations of corresponding diagram:

-  Air will flow to the face level.




-  Air will flow to the upper body and footwell.



-  Air will mainly flow to the footwell.



-  Air will mainly flow to the the front windshield and footwell.



## Air Outlet

### Front central air outlet

The angle of air outlet can be adjusted by operating the adjusting sheet at the center of the air outlet.



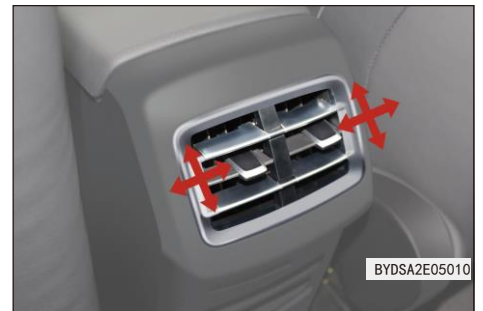
### Front side air outlet

The angle of L/R air outlet can be adjusted by operating the adjusting sheet at the center of the air outlet.



### Rear air outlet (if any)

The angle of air outlet can be adjusted by operating the adjusting sheet at the center of the air outlet.



## Green Air Purification System (if any)

The green air purification system is provided with PM2.5 particle purification function. Namely, when A/C is ON, PM2.5 particles contained in the air flown into the compartment can be deeply purified.

### PM2.5 Detection



- 1 PM2.5 mode button
- 2 Exterior PM2.5 detection button
- 3 Interior PM2.5 detection button
- 4 Display of exterior PM2.5 value
- 5 Display of interior PM2.5 value

### PM2.5 mode button

Tap the “PM2.5” mode button on the multimedia operation interface to switch the multimedia display screen to the PM2.5 operation interface.

**EXT PM2.5**

Tap the "Exterior PM2.5 detection" or "Exterior value" button to activate the PM2.5 detector to detect the exterior PM2.5 value. The PAD will display the detected exterior PM2.5 value in real time and 30s later, display the detected average.

**INT PM2.5**

Tap the "Interior PM2.5 detection" or "Interior value" button to activate the PM2.5 detector to detect the interior PM2.5 value. The PAD will display the detected interior PM2.5 value in real time and 30s later, display the detected average.

**Automatic detection of PM2.5 content in interior/exterior air**

- To set automatic detection of interior and exterior PM2.5, tap "A/C" on the "Vehicle Settings" interface to enter the PM2.5 setting interface. You can set the "Detection after powering up ON/OFF", "Detection at time of opening and closing doors ON/OFF" and "Detection at every 30 min ON/OFF" separately and independently. In the automatic detection mode, the interior detection will run for 30s and then the exterior detection will run for 30s.
- When the A/C is on, the interior and exterior PM2.5 detection system will start automatically. Interior PM2.5 detection will be carried out first, and then the system will switch to exterior PM 2.5 detection automatically.



**WARM TIP**

- The on-board PM2.5 detector only detects the PM2.5 content in air around the vehicle in a short period, and the detected value is different from the daily or real time reported PM2.5 content in air as released by the state and the relevant governmental department.
- The PM2.5 detection frequency should be reduced in the following environments: Extremely severe environment, such as sand storm;
  - Cold regions (with the ambient temperature  $< -20^{\circ}\text{C}$ );
  - High humidity environment (with the relative humidity  $> 90\%$ );
  - Temperature alternating environment (easy to cause condensation), e.g. driving from a cold environment to indoor or a parking lot with higher temperature.
- An internally dirty or blocked on-board PM2.5 detector will seriously influence the detection accuracy, so it should be maintained in time.
- Setting the air speed to the maximum value in recirculated air mode can rapidly reduce the concentration of fine particles contained in interior air.

## 5-3 Storage Devices

### Storage Boxes on Doors

a storage box for storing beverage bottles or small objects.



### Storage Boxes

- Pull the handle of glove box to open it. When the glove box is opened, the glove box light will on.
- To close the glove box, push it upward. When it is completely closed, the glove box light will go out.



#### **i WARM TIP**

- To reduce the possibility of personal injury in the event of an accident or emergency braking, keep the glove box closed while driving.

## Bill Box

- Pull the handle of bill box to open it.
- Invoices, business cards, etc. may be put in the bill box. Do not put large or heavy objects in the bill box, because these objects may result in the failure of closing the bill box. Be sure to keep the bill box closed when the vehicle is running.



## Central armrest storage box

- When using the central armrest storage box, just pull up the cover of the box in the direction of the arrow in the figure.
- Close the central armrest box lid by closing it.



### **WARM TIP**

- To reduce the possibility of personal injury in the event of an accident or emergency braking, keep the central armrest storage box closed while driving.

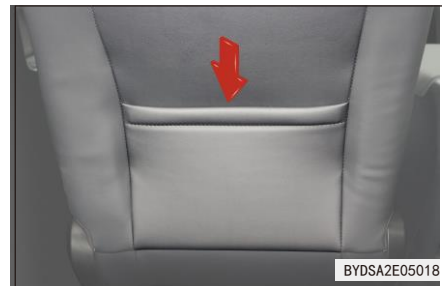
## Glasses Case

Press the glasses case cover to open the glasses case.



## File Pocket

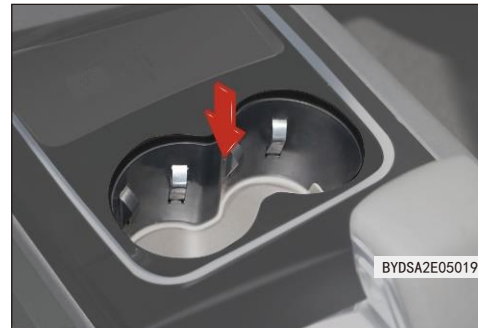
File pockets are provided at the back of front seats for storing magazines and newspapers.



## Cup holder

### Front seat cup holder

Front seat cup holder in center console



### Rear seat cup holder

The rear seat cup holder is located on the rear armrest and can be used by turning the rear armrest.



### **WARM TIP**

- When using the cup holder, to prevent liquid content from splashing out and scalding you or any passenger, do not start or brake the vehicle suddenly.
- Do not put an open cup or bottle not tightened into the cup holder to avoid splash of liquid during opening/closing of a door or driving.
- To ensure driving safety, the driver should never take a cup from or put it into the cup holder.

## 5-4 Other Devices

### Sun Visor

- To shade the eyes from glare of sunlight from the front, pull down the sun visor.
- To shade the eyes from glare of sunlight from the side, remove the rotary cover from the fixing bracket, and turn the sun visor to the side window.

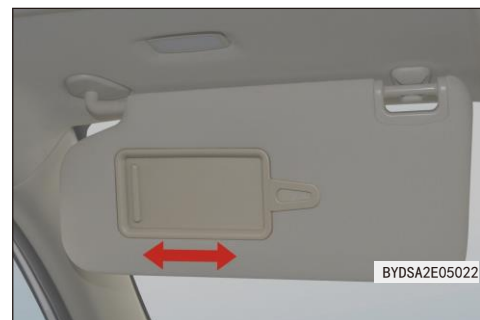


#### **i** WARM TIP

- Reasonable and proper use of the sun visor can increase the driving comfort and safety.

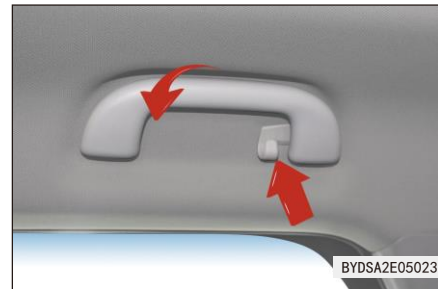
### Make-up mirror (when mounted)

- Vanity mirrors are installed on sun visors for the driver and the front passenger.
- Flip down the sun visor and slide off the Vanity mirror cover to use the it. At this time, the vanity mirror light is on; close the vanity mirror cover or fold the sun visor upward, and the vanity mirror light goes out.



## Safety Handle

- To use the safety handle, pull it down. Release the safety handle and it will return to position.
- The safety handles on both sides of the rear seat are provided with clothes hooks for hanging clothes and such others.



### ⚠ CAUTION

- Do not hang heavy objects on the safety handles and clothes hooks to avoid personal injury or damage to the safety handles /clothes hooks.clothes hooks.

## 12V Backup Power Supply

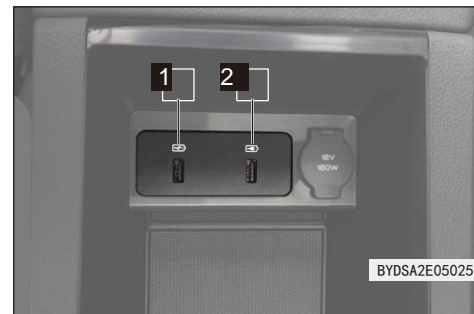
- The backup power supply can provide power for accessories whose current is less than 10A and current less than 10A.
- When using the 12V backup power supply, open its cover and keep the vehicle's power button in "OK" position.



## USB Port

### Front charging port

- 1 USB Port
- 2 USB charging port



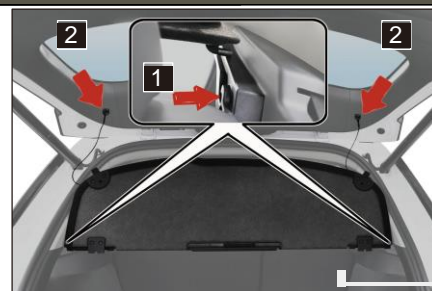
### Rear charging port

The rear charging port can only be charged, and cannot be used for multimedia connection.



## Shelves



- Shelf can be used to temporarily store lightweight items, protect privacy, and avoid direct sunlight.
- When in use, one end of the shelf is aligned with the groove 1 on the C-pillar guard plate to insert it, and then the other end is inserted into the corresponding groove, and the limiting wires 2 at both ends of the shelf are hung on the corresponding back door.



### ⚠ Warning

- When installing the shelf, make sure that the shelf is securely installed
- Do not place hard, heavy and sharp objects and pets on the shelf. These objects or pets may endanger the safety of passengers when braking or accelerating in an emergency.
- Do not allow children to climb onto the shelf, otherwise the shelf may be damaged or children may be injured or even die.

### Mobile wireless charging area (if any)

- The wireless charging area of the mobile phone is located in the center console. When the vehicle is started, place the mobile phone on the non-slip rubber pad in the wireless charging area with the mobile phone screen facing up. The mobile phone automatically enters wireless charging and is accompanied by the charging icon display of the multimedia UI interface.
  - The green pattern “” in the mobile phone flashes dynamically during charging.
  - Charging failure icon flashes “”
- Wireless phone charging is not available for all phones, only for Qi-certified phones.



The wireless charging function of the mobile phone is to transmit electric energy to the mobile phone battery through the coil according to the electromagnetic wave induction principle, so that the mobile phone can realize the charging of the mobile phone under the condition of not needing wire connection.

** WARM TIP**

- Only one mobile phone can be charged at a time. If the phone case is too thick, it may cause charging failure.
- When driving on bumpy roads, the wireless charging function of the mobile phone may intermittently stop charging and resume charging.
- If the mobile phone deviates from the wireless charging area and stops charging, the mobile phone needs to be moved back to the wireless charging area.
- If the mobile phone cannot be charged normally, please ensure that there is no foreign matter in the wireless charging area or wait for the wireless charging area to cool before attempting. If the battery still cannot be charged, it is recommended that you contact BYD's authorized service store.
- Do not place any foreign matter in the charging area during program upgrade.

**⚠ CAUTION**

- When the wireless charging system of the mobile phone is working, please ensure that the intelligent key is more than 25cm away from the wireless charging area.
- Do not place coins, metal keys, metal rings or other articles containing metal components in the wireless charging area together with the mobile phone to avoid abnormal wireless charging function or even safety accidents.
- Do not place heavy objects in the charging area to avoid damage to the charging area.
- If the mobile phone's wireless charging system is faulty and cannot be used normally, it is recommended that you contact a BYD authorized service shop.
- The company does not assume any responsibility for any problems caused by abnormal use; if the product has been disassembled or modified, the free warranty service will be terminated.
- When the driver is not in the vehicle, please do not place the mobile phone to charge in the vehicle to avoid potential safety hazards.
- During driving, please do not check the charging status of mobile phone for a long time to avoid potential traffic safety hazards.
- When the mobile phone is charging wirelessly, if any metal foreign matter is found between the mobile phone and the rubber pad, please do not remove the foreign matter by hand immediately to avoid scalding.
- In order to achieve a better charging effect, the center of the mobile phone coil must be aligned with the center of the wireless charger (character position in the charging area)
- Do not spray water on the charging area, otherwise water may enter the wireless charger through the gap between the rubber pads and cause the charger to malfunction.
- When the temperature is too high, the mobile phone charging may stop, and it will continue to charge after the temperature decreases.
- The company does not promise to solve the problems caused by the external wireless charging coil, please use it carefully.

## **6 Service and Maintenance**

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## 6-1 Instructions for Maintenance

### Period and Contents of Maintenance

#### Maintenance Schedule

- Maintenance plan is used to ensure driving stability, reduce the occurrence of faults, safety and economic driving.
- Refer to the maintenance schedule for intervals of planned maintenance which depends on the readings on the odometer or time intervals, whichever comes first.
- Once done at the time after the required time interval, any maintenance item should also be done at the same time interval next time.
- Rubber hoses (for air conditioning and heating systems, braking systems, etc.) shall be inspected by specialized technicians according to the maintenance schedule.
- These are especially important maintenance items, and the maintenance interval of each item is recorded in the maintenance schedule. The hose should be replaced immediately if there is any deterioration or damage.
- The maintenance schedule lists all the maintenance items that are necessary to keep your vehicle in optimal operation at all times.

#### Maintenance Schedule

Be sure to maintain the vehicle as per the maintenance schedule.

If the vehicle is mainly operated under one or more of the following special conditions, some maintenance programs need to be carried out more frequently.

- Pavement condition
  - Driving on rough, muddy or snow melt roads.
  - Driving on dusty roads.
- Driving conditions
  - Tow trailer, use camping trailer or roof bracket
  - Repeated short-distance driving within 8km and outside temperature below 0°C.
  - Long-term idling and long-distance driving at low speed, such as police vehicles, taxis or vehicles transporting goods.



Time Interval for Maintenance	x1000 (miles) /km)	Readings on Odometer or Number of Months, Whichever Comes First [EV]															
		7.5 /12	15 /24	22.5 /36	30 /48	37.5 /60	45 /72	52.5 /84	60 /96	67.5 /108	75 /120	82.5 /132	90 /144	97.5 /156	105 /168	112.5 /180	120 /192
Item	Number of months	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
Check the level of antifreeze in the expansion tank																	
Replace the antifreeze for drive motor		Replace it with long-acting, organic, and acid coolant once every 4 years or every 100,000km of vehicle running mileage, whichever occurs earlier.															
Check the brake fluid																	
Replace the brake fluid		Replace the brake fluid after every 2 years or every 40,000 km of vehicle running mileage.															
Check the DTC of vehicle (clearing after recording)																	
Check the power battery tray and bumper																	
Capacity testing and calibration		Every 72,000 km or 6 months															
Check and replace the gear oil in transmission		Replace it every 24 months or 40,000 km for the first time. After that, replace it once every 24 months or 48,000 km.															
Check whether the powertrain has any fluid leakage and bumps																	
Check whether the high-voltage wiring harness or connector gets loose																	
Check to the whether the high-voltage module is deformed and whether it has any oil fluid on the surface																	
Check whether all joints of the charging coupler have any foreign objects or ablation																	



Time Interval for Maintenance	Readings on Odometer or Number of Months, Whichever Comes First [EV]																
	x1000 (miles) /km)	7.5 /12	15 /24	22.5 /36	30 /48	37.5 /60	45 /72	52.5 /84	60 /96	67.5 /108	75 /120	82.5 /132	90 /144	97.5 /156	105 /168	112.5 /180	120 /192
Item	Number of months	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
SRS module, ECU and sensors		Replace them															
Check if the HV components have any traces of waterlogging		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check if any software updating kits of complete vehicle modules exist. Update them		I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Check the front hatch lock and its fasteners		Every year															
Remarks		For item 1, timely change any unexpectedly damaged chassis parts.															

### WARM TIP

- To keep the power battery in the best state, it is necessary to conduct full charge and full discharge of the vehicle at regular intervals (at least once every 6 months or every 72,000 km of vehicle running mileage) to allow self-calibration of the battery. You may also contact a BYD authorised service provider to test and calibrate the battery capacity.

#### Remarks

- Definitions of symbols in the table above are as follows:
  - I= If necessary, check, adjust or replace;
  - I= Items to be added for severe conditions;
  - R= Replace, change or lubricate.
- The maintenance period in the table is calculated from the date of purchase.
- In order to make the vehicle reach the best use state, please operate the vehicle correctly according to the following mode.

- Run-in in ECO (Economic) mode before first maintenance.
4. Severe working conditions as follows:
- The vehicle has frequently served in dusty areas or salt-spray areas;
  - The vehicle has frequently served on bumpy, waterlogging or mountain roads;
  - The vehicle has frequently served in cold areas;
  - The motor is often in a long-time idle running state or the vehicle has frequently served for a short distance in cold season;
  - The brake system has been used too frequently, in particular for hard brake.
  - The vehicle has frequently served as a tow tractor;
  - The vehicle has served as a taxi or a service vehicle;
  - The vehicle has served in an urban area which features traffic congestion at a temperature above 32 °C for more than 50% of the total service time.
  - The vehicle has served at a speed of more than 120 km/h at a temperature above 30 °C for more than 50% of the total service time.
  - The vehicle has been overloaded frequently.
5. Specified maintenance records:
- It is recommended that you should request the BYD authorised service provider to fill all specified maintenance records in the table, and properly keep all receipts related to the maintenance of your vehicle

### Specifications for maintenance of components

Item	Model	Filling capacity
Brake	BASF DOT4	870±10ml
Transmission	Shell S3-ATF-MD3	0.75~0.85L

## 6-2 Regular Maintenance

### Regular Maintenance

- Be sure to maintain the vehicle as per the maintenance schedule to allow it serve in the best working efficiency and reduce fault occurrence.
- Refer to the maintenance schedule for intervals of planned maintenance which depends on the readings on the odometer or time intervals, whichever comes first.
- Once done at the time after the required time interval, any maintenance item should also be done at the same time interval next time.
- The maintenance work should be done according to the corresponding standards and specifications, and it is suggested that the local BYD auto authorized service shop should complete the work.
- Maintenance items and the running time or distance listed in the maintenance schedule are determined with the assumption that you have your vehicle to carry passengers and articles as a common vehicle, without loads beyond its load limit.

#### WARM TIP

- Maintain the vehicle at regular intervals in accordance with the requirements in the Quality Warranty Voucher and Maintenance Manual

### Vehicle Corrosion Prevention

**The most common causes of vehicle corrosion are as follows:**

- Saline and alkaline matters, dust and moisture are deposited underneath of the vehicle.
- The vehicle is in a high humidity environment or some parts of the vehicle are in a humid and high temperature environment for a long time.
- The paint or primer coats have been scratched by slight impact or stones and gravels.

**To prevent vehicle corrosion, the following rules should be observed:**

- Wash the vehicle frequently.
  - If you have to drive the vehicle on saline and alkaline roads in winter, or if you live by the sea, be sure to wash the vehicle parts in contact with the ground at least once a month by using water cannon or steam to wash the chassis and wheel guards to reduce corrosion. After winter, thoroughly clean the vehicle chassis.

- Checking of paint and trims on vehicle body
  - If the paint coat is found with any chips or cracks, it should be repaired at once to prevent corrosion. If any chipping or cracking coat peels off from the metal surface, drive the vehicle to a BYD authorised service provider for repair.
- Checking the interior of compartment
  - Moisture and dust deposited beneath for a long time would cause corrosion. Therefore, frequently check the positions beneath carpets to make sure that these positions are dry.
  - Take special care and use proper containers to transport chemical products, detergents, chemical fertilizers, salts, and other substances. Clear any splashing or leaking substances at once and keep dry of the containers. Clear any splashing or leaking substances at once and keep dry of the containers.
- Using fenders
  - Using fenders can protect the vehicle if the vehicle runs in saline and alkaline areas or on a road covered by gravels. It is better to use fenders with larger sizes and install them on the vehicle closer to the ground.
- Park the vehicle in a well-ventilated and dry place.

### Maintenance Tips for Painted Surface

- Clean the vehicle in time.
- To prevent causing color nonconformity or poor bonding, do not conduct secondary paint spraying if the painted surface has no obvious scratches.
- For long-time parking, the vehicle should be parked in the garage or at a well-ventilated place. In addition, the vehicle should be parked with a special cover in winter. For temporary parking, the vehicle should be parked at a shady and cool place.
- Prevent causing strong impact, bumping or scratches on paint film of the vehicle body. It is better to have the painted surface with scratches, indentations or peels repaired by a professional automobile beauty shop.
- Do not touch the painted surface of vehicle body with greasy hand, or wipe the painted surface with a piece of greasy wiping cloth at will. To prevent causing any chemical reaction, do not place a greasy tool or wiping cloth containing organic solvent on the vehicle body.
- Wax the painted surface for protection once a month or when the vehicle body surface do not have goo water-resistant performance and regularly drive the vehicle to a professional automobile beauty shop for maintenance (once a quarter) to recover the brightness and glossiness of the painted surface of vehicle body.

- Use high-quality polishing agent and vehicle wax. If the vehicle's polished surface is found with serious wreathing effect, use a vehicle cleaning and polishing agent separate from vehicle wax. Observe the manufacturer's specifications carefully and take specified preventive measures. The chrome plated surface should be polished and waxed the same as the painted surface.

### **⚠ CAUTION**

- If the vehicle is to be re-painted and parked in a high-temperature painting and waxing workshop, the vehicle's plastic bumper should be removed, because high temperature may damage the bumper.

## **Washing the Vehicle**

- Driving under the following conditions will cause peel-off of the paint coat or corrosion of the vehicle body and parts, so the vehicle must be washed in time:
  - When you are driving in coastal areas;
  - When you are driving on a road distributed with antifreeze agent;
  - When you are driving on a road with coal tar.
  - When you are driving over resin, bird dropping or dead body of insect.
  - When you are driving in the areas containing a large amount of smoke, coal ash, dust, scrap iron or chemical substances;
  - When the vehicle is obviously contaminated by dust and mud.
  - After raining.

### **Manual washing**

Be sure to wash the vehicle at a shady and cool place and after the vehicle fully cools down.

1. Wash away loose dirt with a water hose, and wash off all mud or road salt and alkali at the bottom of vehicle body and in the recessed positions of wheels.
2. Wash the vehicle with a neutral washing agent, the mixing of which should be conducted according to the manufacturer's specifications. Wipe the vehicle along with the water flow direction and from top to bottom by using a soft cloth dampened with cleaning solution. Do not wipe the vehicle in a circular or transverse way.

3. Wash the vehicle thoroughly, because washing agent will leave stripes after drying. Be sure to correctly wash all vehicle parts with clean water after washing the vehicle in high-temperature days.
4. To prevent leaving water stains, wipe the vehicle body with a clean and soft towel until the vehicle becomes dry. Avoid forceful wiping or pressing. Otherwise, the painted surface may be scratched.

**WARM TIP**

- Do not use highly alkaline washing powder, soapy water, washing agent, dewaxing detergent or organic matter (gasoline, kerosene, volatile oil or strong solvent) for this purpose.
- Never wipe the surface of combination lights with gasoline, alcohol, lacquer thinner, carbon tetrachloride and other chemical solvents when cleaning the combination lights. Otherwise, cracking of combination light covers will be caused.
- It is recommended to wash the vehicle running in coastal areas or seriously-polluted areas once a day.
- Do not use a blade to scrape or gasoline to remove dirt on the vehicle body. Plastic wheel trims are easily damaged by organic matter. If any organic matter is splashed on any trim, be sure to wash it off with water and check if the trim is damaged. Timely replace plastic wheel trims that have been seriously damaged. Otherwise, wheel trims may fly away from wheels when the vehicle is running, causing an accident.
- Do not wipe and clean the bumpers with any detergent containing abrasive materials.
- Use graphite powder detergent to clean plated metal parts and regularly wax them for protection.
- Be careful and do not get your hand cut when washing the part under the floor or the chassis.

**Automatic washing of vehicle**

Note that some types of brush, unfiltered washing water or preset washing procedure in the washing machine may lead to scratches on the painted surface when you have your vehicle washed at an automatic car washing station. Scratches on the painted surface will reduce the surface durability and glossiness, especially for dark-color vehicles. It is advisable to consult a service man of the car washing station before washing your vehicle to ascertain which car washing procedure is the safest for the vehicle's painted surface.

## Interior Cleaning

### **WARM TIP**

- Do not let water flow onto the vehicle floor or dashboard when washing the interior or exterior of the vehicle. Ingression of water into nearby electrical appliance components may cause malfunction.

### **Carpet**

- Use a high-quality foam detergent to clean the carpet.
- Several types of foam detergent can be used. Some are contained in spray cans, and others are powder or liquid, which produce foam after being mixed with water. Clean the carpet with a piece of sponge or a brush with foam. Wipe or brush the carpet in a circular way.
- Do not wash the carpet with water. Keep the carpet dry to the greatest extent.

### **Seat belt**

- Seat belt can be washed with mild soap water or lukewarm water.
- Wipe the seat belt with a piece of sponge or soft cloth. Check if the seat belt has any excessive wear, penetration or trace of cut when washing it.

### **CAUTION**

- Do not wash the seat belt with colorant or decolorizer, as the strength of seat belt will be weakened by doing so.
- Do not use the seat belt before it becomes dry.

### Doors and windows

- Doors and windows can be washed with any ordinary household detergent.
- When wiping the inner side of the rear windshield, gently apply force and wipe along the left and right directions. Because there are electric heating wires and antenna wires of the rear defrosting device on its inner side, it may be damaged by excessive force or wiping up and down.
- Regularly check the door limiting stopper. If it is found that the limiting stopper rod has obvious ash accumulation, wipe the door limiting stopper rod with a dampened soft cloth to remove dust from the surface.

#### **⚠ CAUTION**

- When cleaning the inner side of rear windows, take care not to scratch or damage the electric heating wires and their joints.

### A/C control panel, audio system, dashboard, control panel and switches

- Use a piece of wet and soft cloth to clean the A/C control panel, all parts of audio system, the dashboard, the control panel and all switches.
- Dip a piece of clean and soft cloth into water or lukewarm water, and then use it to wipe off the dust.

#### **⚠ CAUTION**

- Do not use organic substances (such as solvent, kerosene, ethyl alcohol and gasoline) or acid or alkaline solution. Otherwise, color change, contamination or peel-off of surface will be caused.
- If a detergent or polishing agent is used, be sure to confirm that its compositions do not contain some of the above-mentioned substances.
- If a new liquid car washing agent is used, do not splash the liquid onto the interior surface of the vehicle. The reason is that the liquid may contain some of the above-mentioned substances. If the liquid splashes out, wash off all splashed spots quickly.

### Leather trims inside the vehicle

- Leather trims can be washed with the neutral detergent for cleaning wool textiles.
- Wipe off the dust by using a piece of soft cloth with neutral detergent. After that, wipe off the residual detergent with a piece of clean wet cloth.
- Wipe the washed leather or any wet part of the leather with a piece of clean and soft cloth. Put the leather at a well-ventilated, shady and cool place to let it dry.
- Consult the local BYD authorised service provider if you have any doubt about washing the vehicle.

#### **⚠ CAUTION**

- If the dirt cannot be washed by neutral detergent, the detergent containing no organic solvent may be used.
- Do not wash the leather with organic substances such as volatile oil, ethyl alcohol, gasoline, or acid or alkaline solution, as they will cause color fading of the leather.
- Using a nylon brush or man-made fiber cloth will damage the good patterns on the leather surface.
- Dirty leather trims always produce mildew. Pay special attention to avoiding greasy dirt and always keep the trims clean.
- Long-time exposure to the sun will cause surface hardening or shrinking of leather. Therefore, park the vehicle in shady and cool area especially in summer.
- Avoid placing any objects made of vinyl plastics or materials containing wax on the trims in hot summer, because temperature inside the vehicle rises up easily. Such objects will stick to leather in a high-temperature environment.
- Incorrect washing of leather trims will cause color fading or generate spots.

## 6-3 DIY Maintenance

### DIY Maintenance

#### Precautions for DIY maintenance

- If you want to conduct maintenance of the vehicle by yourself, be sure to properly observe the procedure provided in this section.
- Note that improper or incomplete maintenance will affect the good service effect of the vehicle.
- This section only provides information on simple maintenance that can be operated by users. However, it may cover some maintenance items that must be completed by certified technicians with special tools.
- To prevent causing any accidental injury, be sure to take special care when maintaining the vehicle. The following are some precautions that must be observed.

#### **⚠ CAUTION**

- Any overflowing brake fluid should be washed off with water to prevent causing damage to the component or painted surface.
- Any overflowing brake fluid should be washed off with water to prevent causing damage to the component or painted surface.
- Prevent the wiper from scratching the glass surface when replacing wiper blades.
- Check whether any tool or wiping cloth is left in the front compartment when closing the front hood.

#### **ℹ WARM TIP**

- Do not smoke inside or near the vehicle, so as to avoid producing spark or open flame, which is liable to cause a fire.
- Working on or beneath the vehicle requires use of goggles to avoid exposing the eyes to damage from splashing or falling objects or liquids.
- Take care when refilling brake fluid because it will damage skin or eyes. If any brake fluid splashes onto skin or into eyes, immediately wash the splashed part with clean water. If you still feel uncomfortable in hands or eyes, go to the hospital at once.

Check the following items in accordance with the vehicle's service conditions or the specified vehicle running mileage:

- Coolant level — check the expansion tank of radiator every time the vehicle is charged.
- Windscreen washing fluid — check the remaining level of washing fluid in the fluid reservoir once a month. If washing fluid is frequently used due to bad weather, check the fluid level every time the vehicle is charged.
- Windscreen wiper — check service conditions of the wiper once a month. If the wiper fails to wipe clean the windscreen, check if it has any wear, cracks or other damage.
- Brake fluid level — check the level once a month.
- Brake pedal — check whether the brake pedal can be operated freely.
- EPB switch — check if all functions of the switch are normal.
- Start Fe battery: check service conditions of the battery and the corrosion situations of terminals once a month.
- Air conditioning system — check running conditions of the A/C every week.
- Tyres — check the tyre pressure once a month. Check wear conditions of tyre surfaces and check if any foreign objects are embedded in tyres;
- Windscreen defroster — check the air outlet of defroster every month when using the heating device and the A/C.
- Lights: check the conditions of headlights, auxiliary lights, taillights, high-mounted brake lights, turn signals, rear fog lights, brake lights and license plate lights once a month;
- Doors — check if the trunk lid and all other doors (including rear doors) can be opened/closed freely and locked firmly.
- Horn — check if the horn is normal.

### WARM TIP

- To avoid serious vehicle damage and personal injury, do not continue driving a vehicle found with above mentioned situations but uninspected.

## Lights

### Calibration of headlights

- Before delivery of a new vehicle from the factory, the headlights have been calibrated. If you often use the vehicle to carry heavy objects, the headlights may need to be re-calibrated. It is recommended to have headlights calibrated by a BYD authorised service provider.

### Moisture in lights

- After heavy rain or washing, the headlights, tail lights or turn signals in exterior rearview mirrors may have moisture appearing inside. This phenomenon is similar to condensation on inner side of windows in raining and does not indicate a fault in your vehicle.
- Each light is a relatively confined and narrow space and when it is lit, its temperature will become very high (cover, mirror and others are liable to deform at a high temperature); therefore, heat dissipation is needed for the lights. To meet the requirements of heat dissipation of the lights when lit, heat dissipation holes are provided in each light housing for heat dissipation via convection with the surroundings. A higher temperature difference will cause more active convection. During convection, water vapor in the air will inevitably enter the light. Affected by factors such as sun exposure, convection and bulb heating, water vapor in the air is liable to condense into mist or water drops when encountering light surface with a lower temperature, known as vehicle light condensation.

### **⚠**WARNING

- When the headlight bulbs illuminate, they will become very hot. Grease, sweat or scratches on the surface of the bulbs will cause the headlights to overheat and break.

### **i**WARM TIP

- If moisture appears on the inner side of the headlights or turn signals in exterior rearview mirrors, the reason may be high air humidity or large difference between inside temperature and outside temperature. In this case, turn on the headlights or turn signals when driving; the moisture in the lights will disappear a short time later.
- If there is obvious accumulated water in any light, it is recommended to drive the vehicle to a BYD authorised service provider for maintenance.

## Sunroof Maintenance

### Panoramic sunroof maintenance method

1. Wipe the dust or sand off the outer sealing strip of the sunroof with a wet cloth to avoid scratching the sealing strip, resulting in a decrease in the sealing performance of the sunroof;
2. Wipe the dust or sand off the front glass molding edges with a wet cloth to avoid scratching the sealing strip, resulting in a decrease in the sealing performance of the sunroof;
3. Always clean the front end of the rear glass (after the front glass is fully opened) to avoid deposition of dust, sand, leaves and other debris and prevent the drain hole from being blocked by these debris, resulting in poor drainage of the sunroof;
4. Always clean the guide rails on both sides and front water channel to avoid deposition of dust, sand, leaves and other debris and prevent the drain hole from being blocked by these debris, resulting in poor drainage of the sunroof;
5. During the vehicle washing, avoid pointing water stream directly to the sealing strip with a high-pressure water spray gun; otherwise, the sealing strip is likely to be deformed or even damaged under the pressure of high pressure water, and water may easily flow into the vehicle;
6. In winter, the sunroof is prone to be frozen. If the sunroof is forced open in this case, the sealing strip or other parts of the sunroof will be damaged. Warm up the vehicle for a while and turn on the A/C heating system to speed up melting of snow/ice on the sunroof. After the inside temperature reaches a certain value, re-try to open the sunroof. Wipe residual moisture off the sunroof to prevent it from being frozen.
7. Do not fully open the sunroof when driving on extremely bumpy roads. Otherwise, the excessive vibration of the sunroof and the guide rails may cause deformation of the relevant components or even damage the motor. Moreover, never open the sunroof on a rainy day or when washing the vehicle.

### Ordinary sunroof maintenance method

1. Wipe the dust or sand off the sealing strip with a wet cloth to avoid scratching the sealing strip, resulting in a decrease in the sealing performance of the sunroof;
2. Wipe the dust or sand around the roof sheet metal with a wet cloth to avoid abrading the sealing strip when the sunroof is closed, resulting in a decrease in the sealing performance of the sunroof;
3. Always clean the guide rails, front water channel and other components to avoid deposition of dust, sand, leaves and other debris and prevent the drain hole from being blocked by these debris, resulting in ingress of water into the vehicle;

4. During the vehicle washing, avoid pointing water stream directly to the sealing strip with a high pressure water spray gun; otherwise, the sealing strip is likely to be deformed or even damaged under the pressure of high pressure water, and water may easily flow into the vehicle;
5. In winter, the sunroof is prone to be frozen. If the sunroof is forced open in this case, the sealing strip or other parts of the sunroof will be damaged. Warm up the vehicle for a while and turn on the A/C heating system to speed up melting of snow/ice on the sunroof. After the inside temperature reaches a certain value, re-try to open the sunroof. Wipe residual moisture off the sunroof to prevent it from being frozen.
6. Do not fully open the sunroof when driving on extremely bumpy roads. Otherwise, the excessive vibration of the sunroof and the guide rails may cause deformation of the relevant components or even damage the motor. Moreover, never open the sunroof on a rainy day or when washing the vehicle. Moreover, never open the sunroof on a rainy day or when washing the vehicle.

### Storage of Vehicle

- The following preparations should be made if it is necessary to store the vehicle for a long period (of more than one month). Proper preparations are helpful for preventing the deterioration of vehicle conditions and easy for restarting the vehicle. If possible, please park and store the vehicle indoor.
- Thoroughly clean and dry the outer surface of the vehicle.
- Clean the interior of the vehicle and make sure that the carpet and mat are completely dry.
- Release the parking brake. Place the gearshift lever in the P position.
- Open a vehicle window for a little gap (in the case of indoor storage).
- Disconnect the negative terminal of the start Fe battery.
- Place a piece of folded towel or cloth under the front wiper arms to make sure they do not contact with the windscreen.
- To reduce the possibility of sticking, spray silicone lubricant on sealing strips of all doors and the trunk lid and apply vehicle body wax onto the painted surface where it may contact with the sealing strips of all doors and the trunk lid.
- Cover the vehicle body with breathable coverings made of porous materials such as cotton cloth, because non-porous materials like plastic cloth may damage the surface paint of the vehicle body.

#### WARM TIP

- To ensure the performance and normal power supply of the power battery during transportation or storage of the vehicle, it is recommended that the vehicle SOC value be in the range of 25%~40% before transportation or storage.

## Front hood

### Opening of front hood

1. Place the gearshift lever in P or N position and pull up the EPB. Pull up the opening handle of front hood on the left side of the dashboard lower body twice continuously, and the front hood will open up slightly; then pull it manually to open it.



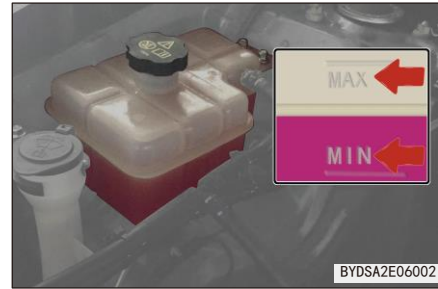
2. Raise the front hood beyond its opening balance position and release the front hood to allow it to open to the maximum angle.
3. When closing the front hood, lower the front hood beyond its balance position, press down the front hood hard and release it to close the front hood.
4. After closing the front hood, remember to check whether the lock catch is locked firmly.

### **WARM TIP**

- Before driving, be sure to confirm that the front hood has been closed and locked firmly. Otherwise, the front hood may open suddenly and cause an accident during driving.

## Cooling system

Motor coolant



Battery coolant



- Check the coolant level in the reservoir. If the coolant level in the reservoir is between the "MAX" and "MIN" marking lines, the requirements are met. If the liquid level is low, add coolant.
- After filling the coolant, if the coolant level drops within a short period of time, the system may leak. If there is any leakage, it is suggested to contact BYD Auto Authorized Service Store.

### **WARM TIP**

- Using inappropriate coolant may damage the cooling system.
- Please use the same type of coolant as the original vehicle and select the appropriate coolant type number according to the ambient temperature to fill into the cooling system.
- Different brands and models of coolant cannot be mixed.
- Do not use tap water, or else the cooling system will be damaged.
- Do not add any rust inhibitor or other additives to the cooling system, to avoid incompatibility with coolant.

## Washer

- During the period of normal service, check the fluid level in the fluid reservoir of windshield washer at least once a month.
- If the washer is used frequently in bad weather, check the fluid level in the fluid reservoir more frequently.
- Add high-quality windscreen washing fluid, which can improve the decontamination ability and prevent freezing in cold weather.
- When refilling washing fluid into the fluid reservoir, dip a piece of clean cloth into windscreen washing fluid and then clean the windscreen wiper blades with the cloth. This is helpful to making the cutting edges of wiper blades be in a good service condition.



### ⚠ CAUTION

- Do not refill acetic acid solvent into the fluid reservoir of windscreen washer.
- It is recommended to use qualified windscreen washing fluid.

## Brake fluid

The liquid level should be between the “MIN” (lower limit) and “MAX” (upper limit) marks on the tank wall. If the level is at or below the “MIN” mark, the brake system needs to be checked. Inspect the brake system for leaks and brake pads for wear.



**WARM TIP**

- The liquid level in the tank should be checked once a month.
- Brake fluid should be changed according to the travel time and mileage specified in the regular maintenance table.
- Please use DOT4 brake fluid with the same original model of BYD. Other types of brake fluid are not suitable for the braking system of this vehicle.

**Air Conditioning System**

It is recommended that any important maintenance work of the vehicle's air conditioning system should be done by professional personnel of a BYD authorised service provider, as it is an enclosed system.

You can carry out the following operations to ensure work efficiency of the air conditioning system:

- Check the radiator and the air conditioning condenser at regular intervals. Remove leaves, insects and dust deposited on front surfaces of the radiator and the air conditioning condenser, as these deposits will impede air flow, thus reducing the refrigeration effect. In this case, contact a BYD authorised service provider.
- In order to circulate the lubricating oil contained in refrigerant, run the air conditioner at least once a week and 10 min each time in the months with cold weather.
- If the refrigeration effect of the climate control system becomes worse, send the vehicle to a BYD authorised service provider for inspection and repair of the system.

**CAUTION**

- The maintenance shop is required to ensure the use of refrigerant recirculating system no matter when the air conditioning system is inspected and repaired.
- This system can recycle the refrigerant, as direct emission of refrigerant into the atmosphere will cause environmental pollution.

**Wiper Blade**

Wiper blades are made of synthetic rubber and they are wearing parts. Various service environments of the vehicle and using habit of the driver may cause damage to wiper blades. To ensure the service life of wiper blades and the running safety of vehicle, be sure to observe the following precautions:

- Do not use wiper blades to remove the ice on the windscreen surface. Instead, a special ice scraper should be used.
- Do not scrape on dirty, greasy or waxy windscreen surface.
- Keep the windshield surface clean. Do not scrape the dust, sand, insects and foreign objects on the windshield surface.

It is unnecessary to wax the windscreen during vehicle washing and paint maintenance of vehicle body, because the wax film will reflect light in the environment with poor light ray, which may affect the visual range and driving safety. After vehicle washing, rinse wiper blades with purified water and remove the wax film on the windscreen with a special cleaning agent for glass wax film.

- During vehicle washing, do not directly wash wiper blades with a water gun, so as to prevent damage to wiper blades due to excessively high water pressure.

### Maintenance rules

- Clean the windscreen and wiper blades at regular intervals (once a week or once every two weeks is recommended).
- It is also recommended to scrape the windshield with wiper blades (once a day or once every two days) even if there is no rainfall.
- Be sure to keep the windscreen sufficiently wet when wiping the windscreen with wiper blades (in case of no rainfall, the washing fluid must be sprayed on the windscreen in advance).
- Use a special windscreen cleaning agent to clean the windscreen.
- Wipe any mud or dead body of insect on the windscreen with a piece of wiping cloth in time.
- Maintain the windscreen in time if any gravel hitting scars are found on it (repair resin or similar product for windscreen is suggested, and the windscreen should be replaced if there are too many or large scars).
- Replace wiper blades at regular intervals (once half a year is recommended).
- Wiper arms must be lifted up before cleaning the windshield. The specific operating method is as follows:

## Tyre

- For the purpose of safe driving, the model and size of tyres must fit your vehicle model, and the tyres must have good tread patterns and standard tyre pressure.
- The following pages provide details on how to check tyre pressure, damage to and wear of tyres, and the operating method for tyre rotation.

### **⚠ WARNING**

- Using excessively worn, under-pressure or over-pressure tyres will cause accidents, even resulting in personal injuries and deaths.
- Be sure to act in accordance with all instructions related to tyre inflating and maintenance in this manual.

## Inflating

- Proper inflating of tyres can provide the best combination of maneuverability, tyre tread life and driving comfort.
- Using underinflated tyres will result in uneven wear of tyres and affect maneuverability and electric energy consumption. More likely, air leakage may be caused due to overheat.
- Using overinflated tyres will reduce the driving and riding comfort and cause damage to tyres more easily due to uneven road surface. In severe cases, there will be the risk of tyre burst, which may threaten the vehicle safety seriously and cause uneven wear of tyres, affecting their service life.
- The vehicle is equipped with a tyre pressure monitoring device. When tyres are in cold state, you can determine whether to inflate them according to the tyre pressure value of each tyre as displayed on the instrument.
- Please remember to check the spare tires while checking the four wheels.
- Measure tyre pressure when the tyre is in a cold state. This means that tyre pressure measurement should be carried out at least three hours after stopping of the vehicle. If you have to drive the vehicle before tyre pressure measurement, tyres are considered to be in cold state as long as the running distance is not greater than 1.6 km.
- If tyre pressure measurement is carried out in hot state (after vehicle running for several kilometers), the pressure reading will be 30~40 kPa (0.3~0.4 kgf/cm<sup>2</sup>) higher than that measured in cold state. This is a normal phenomenon. Do not deflate in order to meet the specified tyre pressure reading in cold state. Otherwise, insufficient tyre pressure will be caused.

## **WARM TIP**

- Recommended tyre pressure in cold state is indicated on the tyre pressure label (pasted on the driver's door frame).
- A tubeless tyre can realize self-closure when it is punctured. However, air leakage is very slow in general. For this reason, you should carefully find the position of leakage when the tyre pressure starts to decrease.

## **Inspection**

- Check also to see whether tyres are scratched, punctured and worn every time when checking the inflation state of tyres.
  - Damage and swelling of tyre tread or tyre wall. The corresponding tyre should be replaced if any of these phenomena is found.
  - The corresponding tyre should be replaced when the tyre cord fabric or cord thread can be seen after scratches, cracks or fracture on the tyre wall.
- Excessive wear of tyre tread.
- A wear mark is provided inside the tyre tread. When the tyre tread is worn to this mark, you will see a strip sign stretching across the tyre tread. The strip sign means that the thickness of tyre tread is less than 1.6 mm. A tyre worn to this degree has very small adhesive force on a wet and slippery road.
- When the tyre tread is worn till exposure of the wear mark, there will be much loss of tyre performance and the tyre should be replaced.



## **Maintenance**

- In addition to proper inflating, correct wheel alignment is helpful to reducing wear of tyre tread.
- It is recommended to drive the vehicle to a BYD authorised service provider for checking the wheel alignment status if any uneven wear of tyre is found.

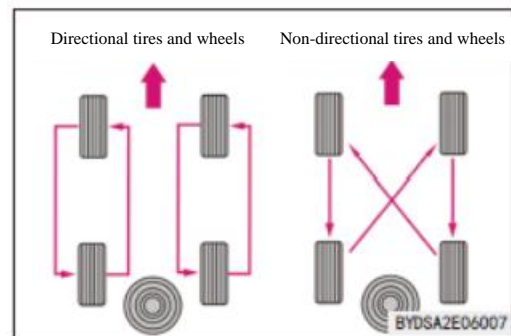
- Balancing of tyres has been done before delivery of the vehicle. However, re-balancing of tyres should be carried out after a certain period of vehicle running.
- If you feel a kind of continuous vibration when driving the vehicle at a high speed (80 km/h), but do not feel such vibration when driving at a low speed, it is recommended to drive the vehicle to a BYD authorised service provider to check tyres.
- If any tyre was repaired before, be sure to carry out re-balancing of the tyre.
- Be sure to carry out balancing of tyres when installing or replacing with new ones.

### ⚠ CAUTION

- Improper wheel balancing weights cannot be fixed firmly and may fall off, resulting in the damage to your vehicle or surrounding objects during vehicle running.
- Improper wheel balancing weights will damage the aluminum alloy rims of your vehicle. Therefore, it is recommended to use the manufacturer's original wheel balancing weights and keep balance of them.

### Tyre rotation

- To enable tyres to be worn to the same degree and lengthen their service lives, we recommend that you perform tyre rotation regularly and carry out alignment inspection and adjustment of all these four wheels.
- Do not rotate the tyre if it is a temporary and spare one.
- You may find that some tyres are directional when you are buying or replacing tyres. This means that such kind of tyre is designed to be rotated in one direction only. If directional tyres are used, only rotation between front and rear wheels can be carried out, as shown in the figure above.



## Replacement of tyres and wheels

- Original tyres of the vehicle are selected to give play to the vehicle performance to the greatest extent. In addition, they can provide you with the best combination of maneuverability, riding comfort and service life.
- It is recommended to drive the vehicle to a BYD authorised service provider for replacement with original tyres.
- Replacement with radial tyres having different size, load scope, rated speed and maximum cold tyre pressure (indicated on the tyre wall), or mixed use of radial and diagonal tyres, may reduce the vehicle's braking capacity, driving force (ground adhesive force) and steering accuracy.
- Installing improper tyres will affect maneuverability and stability of the vehicle and may result in accidents, even personal injury or death.
- It is preferable to replace all the four tyres at the same time. If impossible or unnecessary to do so, the two front or rear tyres should be replaced in pairs. Replacing only one tyre will seriously affect the maneuverability of the vehicle.
- ABS (anti-lock brake system) works by comparing the speed of wheels. For this reason, tyres having the same size as that of original ones must be used. Size and structure of tyres will affect wheel speed and may result in action inconsistency of the system.
- If replacement of any wheel is necessary, make sure that specifications of the new wheel are consistent with those of the original one. New wheels can be bought from a BYD authorised service provider. Consult a BYD authorised service provider before replacing wheels.

### **WARM TIP**

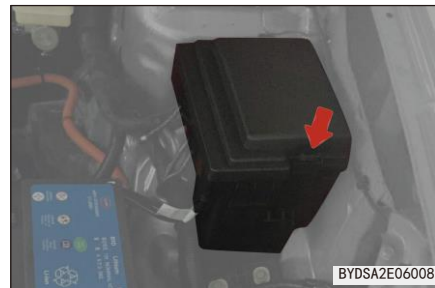
Please observe the following instructions. Otherwise, typical danger in maneuverability will be caused, resulting in loss of control over the vehicle.

- Do not use radial tyres, bias belted tyres or diagonal ply tyres on the vehicle in a mixed way.
- Do not use any tyres other than those with the size recommended by the manufacturer.

## Fuses

All electric circuits on the vehicle are provided with fuses to prevent causing short circuits or over-load operation. These fuses are separately installed in 2 fuse boxes.

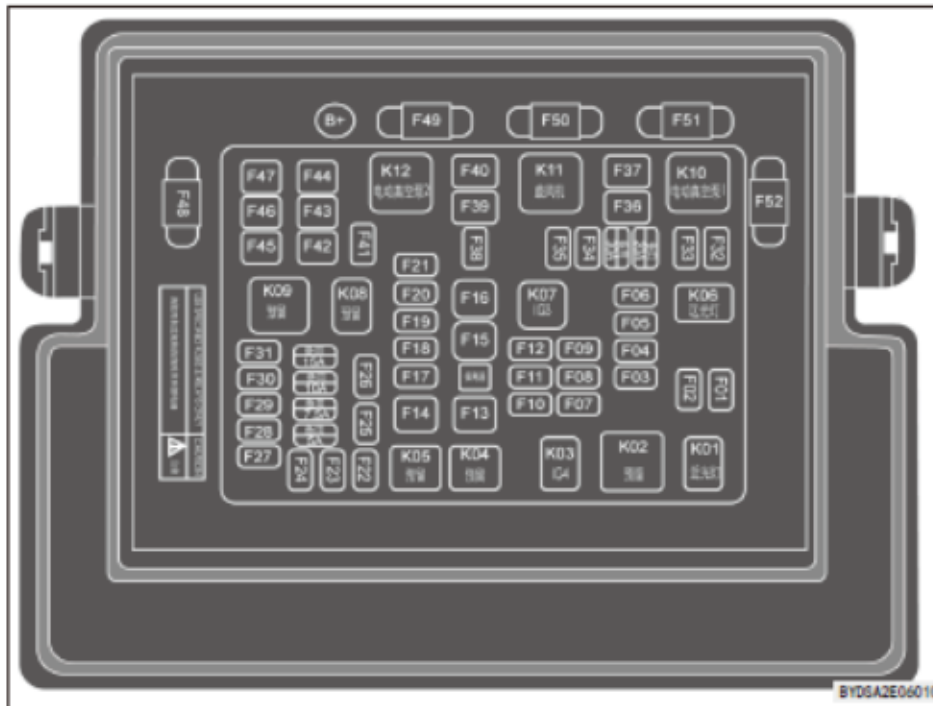
- The front compartment fuse box is located beside the left fender of front compartment.
  - Remove the cover of front compartment fuse box and turn over the cover to see the label on its inner side.
  
- The instrument panel fuse box is located inside the lower shield of dashboard in the driver's space.
  - The instrument panel fuse can be seen by removing the protective plate under the instrument panel.



### **WARM TIP**

- Never use fuses with amperage ratings above the specified value or any other object instead. Otherwise, serious damage will be caused, possibly resulting in a fire.
  
- Replacing a blown fuse with the one having a higher amperage value will greatly increase the possibility of damaging the electrical system.
  
- If you do not have a fuse whose amperage value matches with the circuit, just replace the blown fuse with the one having a lower amperage value.

### Label of front compartment fuse box



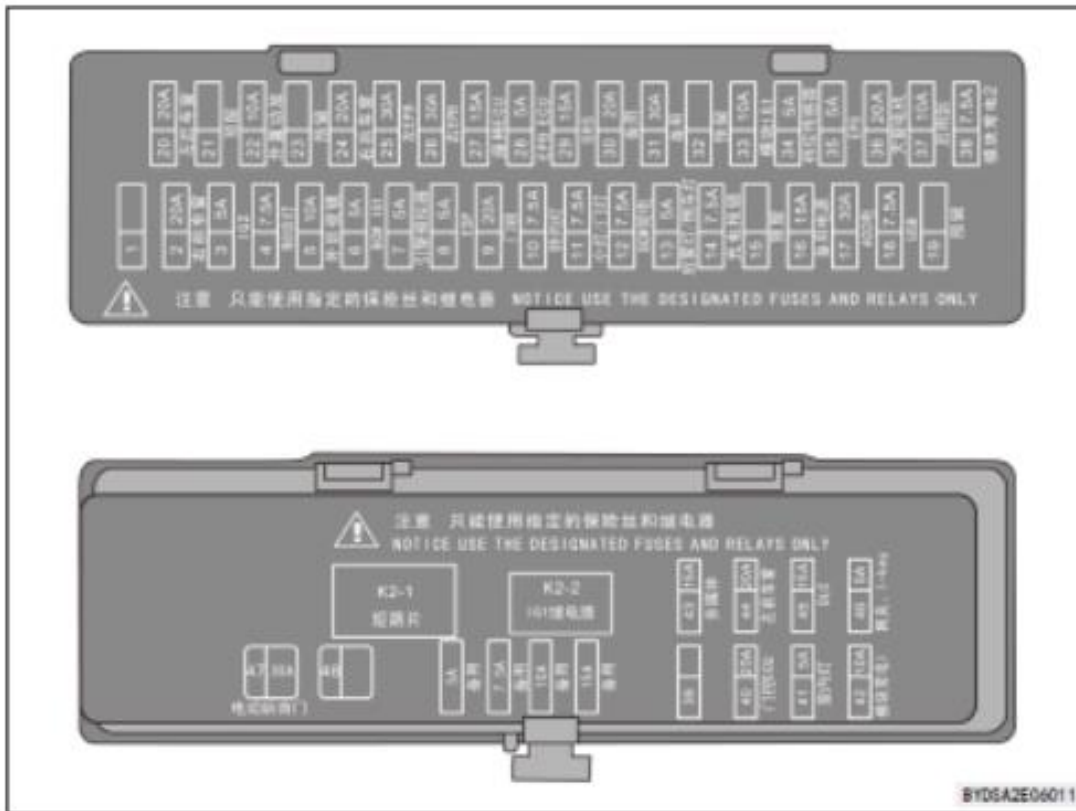
### Fuses

S/N	Ampere (A)	Component or Circuit Protected
F01	7.5	Left Low
F02	7.5	Right
F03	7.5	Reserved
F04	5	BMS
F05	5	EVP
F06	-	Res
F07	10	Battery
F08	7.5	A/C

S/N	Ampere (A)	Component or Circuit Protected
F09	10	Front washer / rear washer
F10	5	Battery heater
F11	10	Electronic control
F12	5	Step-up DC
F13	-	Reserved
F14	30	Rear defroster
F15	30	Driver's power seat
F16	30	Front passenger's power seat
F17	15	Horn
F18	-	Reserved
F19	-	Courtesy light
F20	-	Reserved
F21	-	Reserved
F22	-	Reserved
F23	-	Reserved
F24	-	Reserved
F25	-	Reserved
F26	-	Reserved
F27	-	Reserved
F28	-	Reserved
F29	-	Reserved
F30	-	Reserved
F31	-	Reserved
F32	5	Right High Beam
F33	5	Left High Beam
F34	10	Electrically controlled coolant pump

S/N	Ampere (A)	Component or Circuit Protected
F35	-	Reserved
F36	60	ESP
F37	40	Electric vacuum pump 1
F38	5	Charging and distribution assembly
F39	25	ESP
F40	40	Front blower
F41	-	Reserved
F42	-	Reserved
F43	30	Front wiper
F44	40	Electric vacuum pump 2
F45	-	Reserved
F46	-	Reserved
F47	-	Reserved
F48	200	Start Fe
F49	80	Stepless fan
F50	80	REPS
F51	100	Instrument panel distribution box
F52	-	Reserved

**Label of instrument panel fuse box**



**Fuses**

S/N	Ampere (A)	Component or Circuit Protected
1	-	Reserved
2	20	Front right window
3	5	IG2
4	7.5	Brake
5	10	Outside rearview mirror
6	5	BCM IG1
7	5	Engine simulator
8	5	ESP

S/N	Ampere (A)	Component or Circuit Protected
9	20	Door lock
10	7.5	Turn signals
11	7.5	Auxiliary light/door light
12	7.5	Constant power supply for BCM
13	5	Rear fog lights / Reversing light
14	7.5	Charging plug lock
15	-	Reserved
16	15	Backup power supply
17	30	Module ACC
18	7.5	USB
19	-	Reserved
20	20	Left Rear Window
21	-	Reserved
22	10	External Power Amplifier
23	-	Reserved
24	20	Right Rear Window
25	30	Left EPB
26	30	Right EPB
27	15	Seat ECU
28	5	EPB ECU
29	15	SRS
30	20	Reserved
31	30	Reserved
32	-	Reserved
33	10	Module IG1
34	5	Gear Sensor

S/N	Ampere (A)	Component or Circuit Protected
35	5	EPS
36	20	Sunroof motor
37	10	Rear wiper
38	7.5	Module Constant Power 2
39	-	-
40	25	Door control ECU
41	5	Interior light
42	10	Module Constant Power 1
43	15	Multimedia
44	20	Front left window
45	10	DLC
46	5	Gateway /I-KEY
47	30	Power trunk lid
48	-	-



## 7 When Failure Occurs

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## 7-1 When Failure Occurs

### **WARM TIP**

- If the vehicle needs to be stopped in emergency, please wear the reflective vest equipped with the vehicle in time.

## Intelligent Key Battery Runs Out

If the indicator on the electronic intelligent key does not flash and the vehicle cannot be started by the intelligent key, the intelligent key battery may have run out. Carry the intelligent key to BYD authorised service provider for replacing the battery as soon as possible. In this case, you may start the vehicle in no power mode.

### **CAUTION**

- Do not put the key in a high-temperature area.
- Do not pat key with hard matters or fling it.
- Put the key far away from magnetic field.
- When the vehicle enters the anti-theft mode with doors locked, if you do not use the vehicle, please keep the key far away from the vehicle because the LV battery power will be consumed as the vehicle performs the automatic key locating function.
- Please complete each starting cycle within 20s; otherwise, the wiring system will overheat.

1. Unlock the vehicle by using a mechanical key.
2. Depress the brake pedal and press the "START/STOP" button, and then the intelligent key system warning light on the instrument will illuminate and the speaker in the vehicle will sound once.
3. Put the intelligent key close to the no power icon (under the cup holder) of the auxiliary dashboard within 30s after the speaker sounds, and then the speaker will sound once again and the intelligent key system warning light will go out, indicating that the vehicle can be started.
4. Start the vehicle within 5s after the speaker sounds again.



## High Voltage Components and Treatment in Case of Accidents

- This vehicle system uses high-voltage DC power greater than 300V. The system generates a lot of heat before and after the vehicle is started and when the vehicle is powered off, pay attention to high voltage and high temperature.
- Do not disassemble, move, or modify high-voltage battery components and cables, as connectors can cause severe burns or electric shock, and may result in personal injury or death. Orange connecting wires are high-voltage wiring harnesses. Users are not allowed to repair the high-voltage system of the vehicle by themselves. If there is any need for repair, it is recommended that you go to a BYD authorized service store for repair.
- Personnel carrying medical equipment, remote control keys of electric vehicles and high-voltage components of the whole vehicle may cause impacts and injuries to them.

## Emergency Shutdown System

- If the following conditions are met, the emergency shutdown system will be activated and the HV system will shut down automatically:
  - Any air bag fails to deploy after a front collision.
  - Some rear collisions;
  - Some vehicle system faults occur.
- If any of the above-mentioned collision and vehicle system fault occur, the driving ready indicator (i.e. the "OK" indicator) will go out.
- The risk of leading to injury or unexpected event can be minimized as the emergency shutdown system can be activated after the occurrence of above-mentioned collisions. Once the emergency shutdown system is activated, the vehicle system could not be switched to the ready state, and the system will shut down immediately even if the power switch is shifted to the ready state. In this case, contact a BYD authorised service provider as soon as possible.

## Rescue after Vehicle Fire

If your vehicle catches fire, operate the vehicle continuously as per the following methods and based on actual conditions:

- 1 Set the vehicle power to the OFF mode and disconnect the start Fe battery in the front compartment if conditions permit.
- 2 Seek a dry powder fire extinguisher nearby.
- 3 If the vehicle fire is small and spreads slowly, put out the fire with a dry powder fire extinguisher and make a call for help at once.
- 4 If the vehicle fire is fierce and spreads rapidly, keep away from the vehicle without delay and wait for rescue.

### **⚠ CAUTION**

- Be sure to wear insulating gloves when disassembling the vehicle. Put out fires with specified types of fire extinguishers. Attempt to extinguish fire with water or incorrect fire extinguishers may cause electric shock.
- If any objects (e.g. interior trims, glass, etc.) fly from the vehicle under other special conditions, keep away from the vehicle and timely notify a BYD authorised service provider to come to the spot for treatment.

## Rescue after Vehicle Collision

If your vehicle suffers collision, operate the vehicle as per the following methods:

1. Set the vehicle power to the OFF mode and disconnect the start Fe battery in the front compartment if conditions permit.
  2. Call a BYD authorised service provider for rescue without delay.
  3. Carry out simple inspection and check whether the edge of power battery tray is cracked and whether there is visible liquid flowing out if conditions permit.
- In case of a little leakage, keep the vehicle away from source of ignition. Adsorb the leaking fluid with a fluid adsorption cushion and put the cushion into an enclosed container or burn the cushion. Be sure to wear corrosion protection gloves before operation. In case of plenty of leakage, collect the leaking fluid and treat it as dangerous chemicals. The toxic gas HF can be treated by adding calcium gluconate solution.

- If any part of human body contacts with the leaking fluid, immediately wash the contacted part with plenty of water for 10~15 min. If the sufferer feels pain, apply 2.5% calcium gluconate ointment onto the contacted part, or dip the contacted part into 2~2.5% calcium gluconate solution to relieve pain. If these methods fail to relieve pain or any uncomfortable signs and symptoms appear, seek medical attention at once.

### **⚠ WARNING**

- Do not touch the fluid leaking out. Keep away from the leaking vehicle or power battery.
- Do not discard the leaking fluid into water, soil and other environments at will.
- The vehicle system uses HV direct current. The system will produce a lot of heat before and after starting the vehicle and when the vehicle is powered off. Pay attention to the effect of high voltage and high temperature.
- Do not disassemble, move or change HV battery components and connection wires, because the connector can cause serious burn or electric shock and may possibly lead to personal injury or even death. Connection wires in orange color are HV wiring harness. The user is not allowed to repair the vehicle's HV system. If any repair is needed, drive your vehicle to a BYD authorised service provider.
- The intelligent key for remote control of the electric vehicle and the vehicle's HV components may affect and injure any person carrying medical devices.

### **If the tire is leaking**

- Be sure to gradually slow down the vehicle and keep the vehicle running in a straight line. Drive the vehicle away from the crowded traffic to a safe place. Avoid stopping the vehicle on the central fork of an expressway. Stop the vehicle on the solid and flat ground.
- Pull up the EPB switch and press the "P" button.
- Power off the vehicle and turn on the emergency warning light.
- Be sure to have all passengers get off the vehicle and ask them to go to a safe place away from crowded traffic.
- To prevent the vehicle from sliding, place a stopper block under the tyre in diagonal direction of the tyre to be replaced.

**⚠ WARNING**

- Do not continue to drive the vehicle with flat tyres. Even if the vehicle runs for a short distance, the tyres will be damaged to an irreparable extent.

**Tools**

The tools are stored in a tool box under the trunk lid. The tools include warning triangle, towing hook, wheel nut cap removal clamp, tyre puncture sealant, etc.

**Placing warning triangle****📌 WARM TIP**

- Power off the vehicle and turn on the emergency warning light. When you park and repair your vehicle on a public road, remember to place a warning triangle 100 ~ 200 m behind your vehicle, with its red side facing the heading direction to warn the following vehicle drivers and prevent the occurrence of any dangerous condition. After repair, take back the warning triangle for use in the future.

The warning triangle is used to warn the following vehicle drivers and prevent the occurrence of any dangerous condition due to overspeed or failure of the following vehicles in braking timely and any collision with the front vehicle that is parked or being repaired.

Method for using the warning triangle:

1. Take all pieces of the warning triangle out of the packing box.
2. Assembly these pieces into an enclosed triangle.
3. Release the support of warning triangle to its working state, as shown in the figure.



### Using tyre puncture sealant

Tyre puncture sealant can seal small cuts, especially those in the tread pattern. Repairing a tyre with tyre puncture sealant is only an emergency solution that enables you to drive to a nearest maintenance center; even if the tyre does not leak, only short-distance driving is allowed in an emergency condition.

- The tyre puncture sealant kit is in the trunk and can be accessed by opening the inner trim panel.
  - The tyre puncture sealant kit includes a sealant bottle, inflator pump, sticker indicating the maximum allowable vehicle speed and instructions.

#### **⚠ CAUTION**

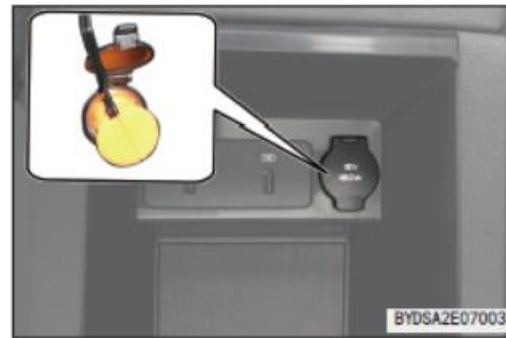
- Tyre puncture sealant is only suitable for repairing small damage of a tyre. If a wheel is damaged, do not use tyre puncture sealant.
- Tyre puncture sealant is highly flammable and harmful to health. When it is used, open flame and smoking is prohibited. Avoid contact with skin, eyes and clothing. Keep it in a place away from children; do not inhale the steam.

#### **In case of contact with tyre puncture sealant**

- If the tyre puncture sealant comes into contact with the skin or eyes, immediately wash the affected part with plenty of water thoroughly.
- Immediately replace contaminated clothing.
- If you have an allergic reaction, seek medical attention immediately.
- If tyre puncture sealant is swallowed, immediately rinse the mouth thoroughly and drink plenty of water, do not induce vomiting; seek medical attention immediately.

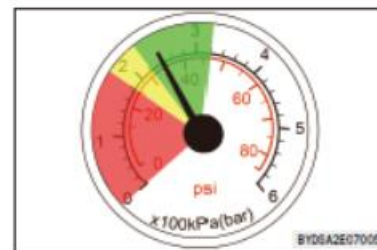
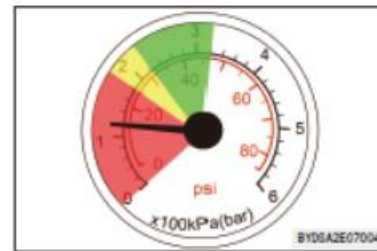
### Tyre puncture sealant operation method

- For details on how to use the tyre puncture sealant, see the label on the inflator pump.
- If the inflator pump needs connection to power supply, insert the power supply plug into the interior 12V socket, start the vehicle and turn on the inflator pump switch. The tyre puncture sealant will be pumped into the tyre via the inflator pump hose together with air.



### WARM TIP

- Make sure the inflator pump switch is off when inserting the power plug into the interior 12V socket.
  - The inflator pump can stay on for 10 min at most.
- 
- Observe the reading of the tyre pressure gage on the inflator pump.
    - If the tyre pressure does not reach 180kPa (red zone shown in the figure) within 10 min, turn off the inflator pump and contact a BYD authorised service provider.
    - If the tyre pressure is in the range of 180~320kPa (yellow and green zones shown in the figure), remove the kit as soon as possible, and within 1 min, start driving the vehicle at a speed lower than 80km/h for a distance not exceeding 10 km to allow the tyre puncture sealant to be uniformly distributed in the tyre.



- Stop the vehicle and observe the tyre pressure displayed on the instrument.
  - If the tyre pressure is greater than 220kPa, drive the vehicle at a speed lower than 80km/h to a nearest service provider.
  - If the tyre pressure is in the range of 180~220kPa, repeat the operation to fill the tyre puncture sealant into the tyre and observe the reading of the tyre pressure gauge on the inflator.
  - If the tyre pressure does not reach 180kPa, contact a BYD authorised service provider.

### **WARM TIP**

- Repairing a damaged tyre with tyre puncture sealant is an emergency solution only. Please replace the tyre in a professional maintenance center as soon as possible (it is recommended that you contact a BYD authorised service provider) and tell a maintenance technician that the tyre has tyre puncture sealant inside.
- Avoid quick acceleration or turning at a high speed.
- Follow the limit requirement of maximum vehicle speed of 80km/h. If the vehicle has strong vibration, unstable driving performance or noise during driving, do not continue driving the vehicle.
- When the tyre puncture sealant is to be expired (see the label on the tyre puncture sealant container for the exact date), replace it with new one.
- After repairing a tyre with the tyre puncture sealant kit, it is recommended that you purchase a new tyre puncture sealant from a BYD authorised service provider.

## **8 Vehicle Specifications**

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## 8-1 Data Information

## Vehicle Parameters

Product model/name		BYD6461SBEV	BYD6461SBEV1	
Overall dimensions (mm)	L×W×H	4560/1860/1700		
Tread (mm)	Front × rear	1560/1565		
Wheelbase (mm)		2712		
Front × rear(mm)		955/983		
Weight (kg)	Kerb weight		1830	1745
	Axle load	Front axle	960	927
		Rear axle	870	818
	Maximum allowable gross weight		2205	2120
	Axle load	Front axle	1072	1040
		Rear axle	1133	1080
Tyre	Tyre		4	
	Specification		225/60 R18, 235/50 R19	
	Tyre pressure (kPa)		230	
Dynamic balance requirement for wheel (g)		<10		
Wheel alignment parameters (under kerb weight)	Front wheel camber		-0.18'±0.75'	
	Toe-in of front wheel		1±2mm	
	Kingpin inclination angle		11.44'±0.75'	
	Kingpin caster angle		5.83'±0.75'	
	Rear wheel camber		-0.75'±0.75'	
	Toe-in of rear wheel		3±2mm	
Free travel of brake pedal (mm)		≤5		
Number of allowable occupants (person)		5		
Approach angle/departure angle (°)		19/23		

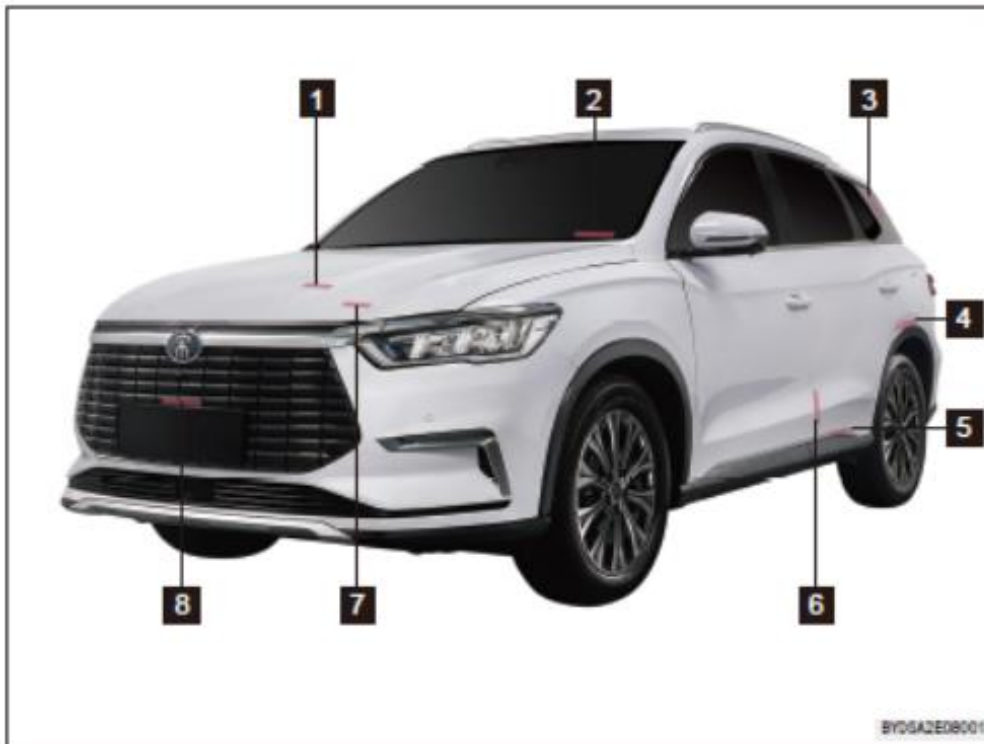
<b>Maximum design speed (km/h)</b>	150	
<b>Maximum gradeability (%)</b>	30	
<b>Power Battery</b>	NMC battery	
<b>Rated capacity (Ah)</b>	135	
<b>Rated power / speed / torque of drive motor (kW /</b>	65/5172/120	
<b>Peak power / speed / torque of drive motor (kW / rpm / N·m)</b>	135/15000/280	120/15000/280
<b>Electric energy consumption per 100 km in operating condition (kW · h/100km)</b>	15	14.8
<b>Drive type</b>	Two-wheel drive	
<b>Brake friction pair</b>	Thickness of front brake pad material: 2~12.5 mm Thickness of rear brake pad material: 2~9.5 mm Front brake disc: 26~28 mm Rear brake disc: 10~12 mm	

- Notes: 1. Actual energy consumption is related to such factors as vehicle conditions, road conditions and driving habit.
2. The vehicle body width excludes the width of exterior rearview mirror.

## 8-2 Prompt Information

### Vehicle Identification

#### Vehicle Identification Number (VIN)



- 1** It is pasted on the Inner panel of front hatch hood
- 2** It is pasted on sheet metal surface of the upper left corner of the instrument panel
- 3** It is pasted on the sheet metal surface of the left frame of the trunk lid
- 4** It is pasted on the sheet metal of the left rear wheel guard
- 5** It is pasted to the sheet metal surface of the left rear door sill
- 6** It is pasted on the inner pillar of the left front door
- 7** It is pasted on the transmission case
- 8** It is pasted on the front anti-collision beam
- 9** It is carved under the front passenger seat

Note: You may connect a VDS to the vehicle, select the vehicle model and read the VIN on the right upper corner. For details, please refer to the VDS manual.

### Drive motor model and number

The drive motor model and number are inscribed on the drive motor housing



### Vehicle nameplate

The vehicle nameplate is located at the sheet metal sunken platform under the right B-pillar and contains the following information:



- Company name
- Country of manufacture
- Seating capacity
- Peak power of drive motor
- Rated capacity of power battery system
- Maximum allowable gross weigh
- Brand
- Vehicle model
- Year and month of manufacture
- Drive motor model
- Rated voltage of power battery system
- Vehicle identification number (VIN)

## Warning Labels

The warning labels for side air bags are pasted under the left and right front door lock rings.



The warning label for air bag is hot-stamped on the right sun visor.



The label for tyre pressure is pasted at the lower part of the left B-pillar.



The child lock label is engraved on the back door sheet metal surface (left and right symmetrical).



The label for the A/C system air filter is pasted on the inner surface of glove box



The air conditioning and cooling system labels are affixed to the right side of the front hood.



The battery location label is pasted below the right B-pillar.



The power battery warning label is pasted on the grille on the U-shaped surface on the right side of the cover.



The warranty label and win-win window sticker are pasted on the right of the front windshield.



## Microwave window

The electronic vehicle identification microwave window is located at the right upper side of the front windscreen.



### **⚠ CAUTION**

- Paste the electronic vehicle identification to an area without overlapping the glass frame or any other object.





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ABS	Anti-lock brake system	ACC	Adaptive Cruise Control
AEB	Automatic emergency braking	AVH	Automatic vehicle hold
AVAS	Acoustic vehicle alerting system	E-call	Emergency rescue
CDP	Controller deceleration parking	ECU	Electronic control unit
ECO	Economics mode	EPB	Electric parking brake
ELR	Emergency locking retractor	HBA	Hydraulic brake assist
ESP	Electronic stability program	HHC	Hill hold control
HDC	Hill descent control	MAX	Maximum tick mark
ISOFIX	International Standards Organization FIX	PCW	Predictive collision warning
MIN	Minimum tick mark	SOC	State of charge of power battery
PM2.5	Green Air Purification System	SRS	Supplemental restraint system
SPORT	SPORT mode,	TPMS	Tyre pressure monitoring system(TPMS)
TCS	Traction control system)	VIN	Vehicle identification number
VDC	Vehicle dynamic control	Cloud -call	Roadside assistance
VTOL	Vehicle to vehicle discharging connector		



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